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OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

LETTER

FROM

THE SECRETARY OF AGRICULTURE,

TRANSMITTING

REPORT OF THE OPERATIONS OF THE BUREAU OF ANIMAL
INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1898.

JANUARY 10, 1899.—Referred to the Committee on Agriculture and Forestry and
ordered to be printed.

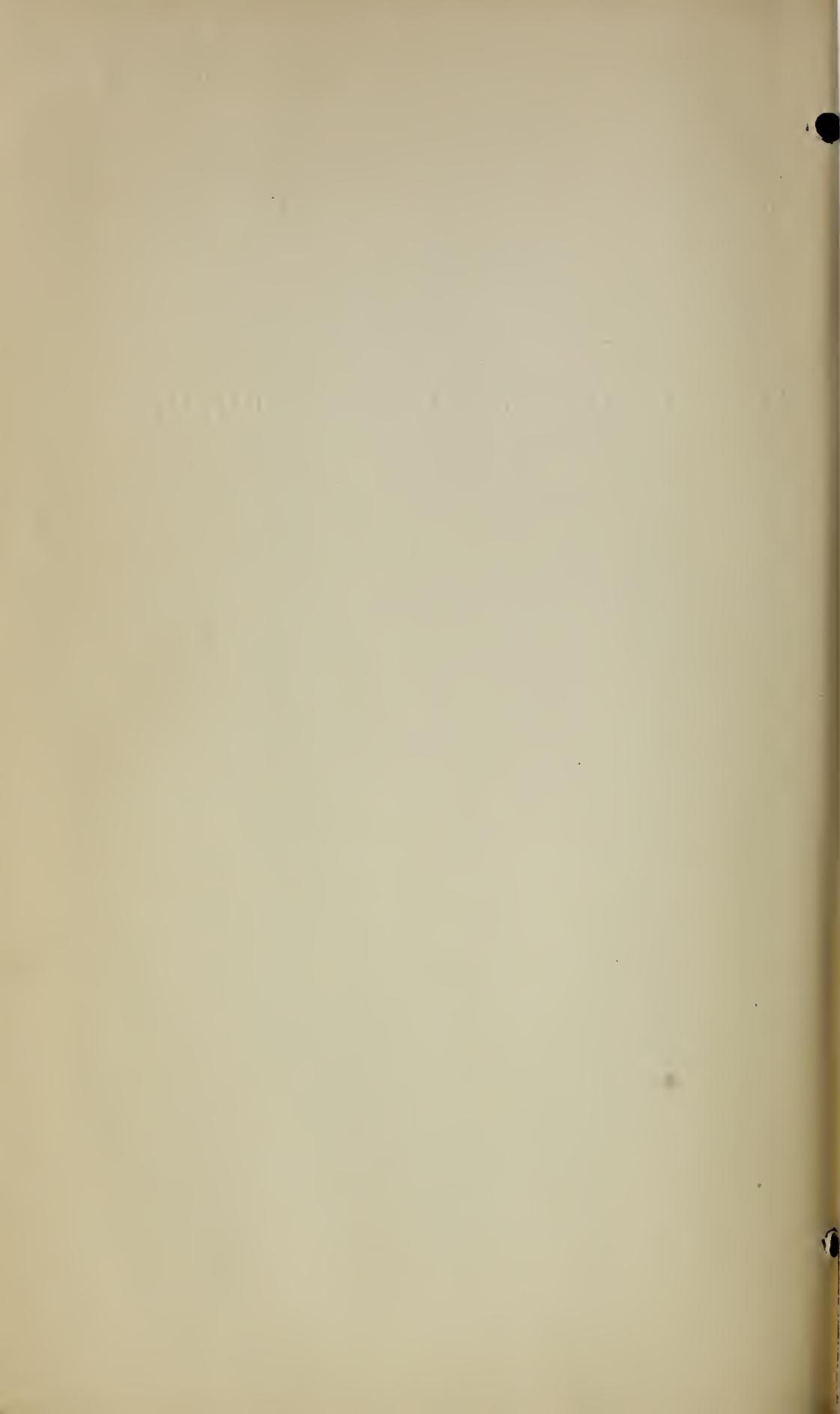
U. S. DEPARTMENT OF AGRICULTURE,
OFFICE OF THE SECRETARY,
Washington, D. C., January 9, 1899.

SIR: I have the honor to transmit herewith the report of the operations
of the Bureau of Animal Industry for the fiscal year ended June
30, 1898, in compliance with the requirements of section 11 of the act
approved May 29, 1884, for the establishment of that Bureau.

Very respectfully,

JAMES WILSON, *Secretary.*

The PRESIDENT OF THE SENATE.



OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1898.

WORK OF THE INSPECTION DIVISION.

MEAT INSPECTION.

The increase of work in connection with meat inspection was very large during the year and required the appointment of a large number of employees. These were obtained upon certification by the Civil Service Commission, and have proved, as in the previous year, to be competent and satisfactory. Although the Bureau force of employees is enlarged from year to year, as the appropriations for the inspection work will permit, the efficiency of the employees is also increased through the examination by the Civil Service Commission, and the Bureau is thus enabled to maintain a thorough system of inspection.

A reference to the tables giving the number of animals inspected this year and for 1897 shows that the number has been greatly increased; yet it is still true that the appropriation for this Bureau is not sufficient to permit of the inspection of all meat entering into interstate commerce, although the law contemplates that all should be inspected. It is true, however, this year as last, that all of the beef exported to Europe and the greater part of the pork and other meat products exported have been inspected in accordance with the law.

During the year meat inspection has been in operation at 135 abattoirs, as against 128 for the previous year, and in 35 cities, as against 33 in 1897. This, however, does not represent the entire increase in the meat inspection, since at nearly all packing houses a larger number of animals have been inspected than in previous years.

The table following gives the number of inspections of animals before slaughter, made either in the stock yards or at the abattoirs, and shows the number inspected for official abattoirs and the number of inspections of animals for abattoirs in other cities and miscellaneous buyers; also the number condemned on this inspection at abattoirs and the number rejected in the stock yards. The number of rejected animals slaughtered and the number of these condemned will be found in the table of post-mortem inspections:

Ante-mortem inspections.

Kind of animal.	For official abattoirs in cities where inspections were made.	For abattoirs in other cities and miscellaneous buyers.	Total inspections.	Condemned at abattoirs.	Rejected in stock yards.
Cattle.....	4,552,919	4,675,318	9,228,237	104	27,491
Sheep.....	5,706,092	4,322,195	10,028,287	741	9,594
Calves.....	241,092	227,107	468,199	67	2,439
Hogs.....	20,713,863	10,896,812	31,610,675	9,679	66,061
Total.....	31,213,966	20,121,432	51,335,398	10,591	105,585

A comparison with the figures for 1897 shows a gain for 1898 of 1,178,212 cattle, 1,983,932 sheep, 19,216 calves, and 6,043,931 hogs, a

total gain of 9,025,291 animals. This is an increase over 1896 of 15,417,919 animals. The number of condemned animals at abattoirs was 3,275 fewer than 1897, and the number rejected in stock yards was 27,247 greater.

The number of animals inspected at time of slaughter and the number of carcasses and parts of carcasses condemned are given in the following table:

Post-mortem inspections.

Kind of animal.	Number of inspections.			Carcasses condemned.			Parts of carcasses condemned at abattoirs.
	For abattoirs.	Animals rejected in stock yards.	Total.	For abattoirs.	Animals rejected in stock yards.	Total.	
Cattle.....	4,418,738	14,143	4,433,181	6,900	3,118	10,018	12,591
Sheep.....	5,496,904	4,753	5,501,657	2,606	961	3,567	287
Calves.....	244,330	825	245,155	206	138	344	52
Hogs.....	20,893,199	43,641	20,936,840	a 69,652	7,927	77,579	b 35,250
Total.....	31,053,171	63,662	31,116,833	79,364	12,144	91,508	48,180

a Includes 19,978 condemned on microscopic examination.

b Includes 5,902 condemned on microscopic examination.

In addition to the above, there were killed by city inspectors 1,785 cattle, 1,509 sheep, 192 calves, and 14,698 hogs which had been rejected in the stock yards by officers of the Bureau of Animal Industry.

The meat-inspection tag or brand was placed on 14,815,753 quarters and 968,014 pieces of beef, 5,448,477 carcasses of sheep, 217,010 carcasses of calves, 680,876 carcasses of hogs, and 394,563 sacks of pork.

The meat-inspection stamp was affixed to 4,433,569 packages of beef products, 5,163 packages of mutton, and 10,145,048 packages of hog products, of which 374,131 contained microscopically examined pork.

The number of cars sealed containing inspected meat for shipment to packing houses and other places was 18,631.

There were issued 35,267 certificates for meat products which had received the ordinary inspection. These covered exports, comprising 1,256,716 quarters, 67,120 pieces, and 735,814 packages of beef, weighing 339,650,091 pounds; 5,163 packages of mutton, weighing 324,996 pounds; 39,212 hog carcasses, and 653,564 packages of pork, weighing 244,956,482 pounds.

The cost of this work was \$409,138.09, which makes an average of 0.8 cent for each of the 51,335,398 ante-mortem inspections, besides covering all the subsequent work of post-mortem inspection, tagging, stamping, etc.

The cost of inspection has been growing gradually less year by year.

The average cost per head was 4 $\frac{3}{4}$ cents in 1893, 1 $\frac{3}{4}$ cents in 1894, 1.1 cents in 1895, 0.95 cent in 1896, and 0.91 cent in 1897.

For the purpose of comparison the following table is given:

Number of animals inspected before slaughter for abattoirs having inspection, 1891-1898.

Fiscal year.	Cattle.	Calves.	Sheep.	Hogs.	Total.
1891.....	83,891	-----	-----	-----	83,891
1892.....	3,167,009	59,089	583,361	-----	3,809,459
1893.....	3,922,174	92,947	870,512	-----	4,885,633
1894.....	3,862,111	96,331	1,020,764	7,964,850	12,944,056
1895.....	3,752,111	109,941	1,344,031	13,576,917	18,873,000
1896.....	4,050,011	213,575	4,710,190	14,301,963	23,275,739
1897.....	4,289,058	259,930	5,179,643	16,813,181	26,541,812
1898.....	4,552,919	241,092	5,706,092	20,713,863	31,213,966

MICROSCOPIC INSPECTION OF PORK.

The number of samples of pork examined was 2,802,846, of which 1,927,838 were from carcasses and 875,008 from pieces. The following table shows that better results are obtained by making the inspection in the carcass than when samples from cured meat are examined:

Comparison of inspections from carcasses and from pieces.

Samples.	From carcasses.		From pieces.	
	Number.	Per cent.	Number.	Per cent.
Class A.....	1,892,131	98.148	864,042	98.747
Class B.....	15,729	0.816	5,064	0.579
Class C.....	19,978	1.036	5,902	0.674
Total.....	1,927,838	100	875,008	100

The samples of pork submitted for microscopic examination were classified as follows: Class A, samples in which no sign of trichinæ, living or dead, or calcified cysts are found; Class B, samples in which degenerated trichina cysts are found, but in which the body of the parasite is not recognizable; Class C, samples in which recognizable bodies, living or dead, of trichinæ are found. All hogs belonging to the latter class must be condemned and disposed of according to section 20 of the regulations dated June 14, 1895.

The number of certificates issued for microscopically examined pork was 20,158, covering shipments aggregating 373,366 packages, weighing 120,271,659 pounds. Of this quantity, 698 packages, weighing 161,303 pounds, were exported to countries not exacting a certificate of microscopic inspection.

The cost of microscopic inspection was \$171,040.94, an average per specimen examined of 6.1 cents, or an average of 0.142 cent for each pound exported.

This cost per pound for the inspection of pork shows a remarkable reduction from the cost in 1897, when it was 0.256 cent. The cost in 1896 was 0.264 cent; in 1895, 0.2 cent; in 1894, 0.248 cent.

The number of samples examined increased 49 per cent over last year, the expense increased 53 per cent, and the exports increased 176 per cent.

The following table shows the exports of microscopically inspected pork for the fiscal years 1892 to 1898, inclusive:

Exports of microscopically inspected pork, 1892-1898.

Fiscal year.	To countries requiring inspection.	To countries not requiring inspection.	Total.
			Pounds.
1892.....	22,025,698	16,127,176	38,152,874
1893.....	8,059,758	12,617,652	20,677,410
1894.....	18,845,119	16,592,818	35,437,937
1895.....	39,355,230	5,739,368	45,094,598
1896.....	21,497,321	1,403,559	22,900,880
1897.....	42,570,572	1,001,783	43,572,355
1898.....	120,110,356	161,303	120,271,659

INSPECTION OF VESSELS AND EXPORT ANIMALS.

The following table shows for the fiscal year 1898 the number of inspections of domestic and Canadian cattle and sheep for export, the

number rejected, the number of American cattle tagged, and the number of each exported; also the number of horses, mules, and hogs exported under the supervision of the bureau inspectors. For comparison the statistics for the fiscal year 1897 are included.

Number of inspections, exportations, etc., of American and Canadian live stock for the fiscal years 1897 and 1898.

Kind of animal.	American.				Canadian.		
	Number of inspections.	Number rejected.	Number tagged.	Number exported.	Number inspect- ed.	Number rejected.	Number exported.
1898.							
Cattle	859,346	1,438	418,694	<i>a</i> 400,512 <i>b</i> 147,907	19,397	5	19,392
Sheep	297,719	180	—	29,570	29,497	38	29,459
Horses	—	—	—	221	—	—	3,955
Mules	—	—	—	599	—	—	—
Hogs	—	—	—	—	—	—	—
1897.							
Cattle	845,116	1,565	410,379	<i>c</i> 390,554 <i>d</i> 184,596	13,136	12	13,124
Sheep	348,108	189	—	22,623	23,289	72	23,217
Horses	—	—	—	100	—	—	6,185
Mules	—	—	—	—	—	—	—
Hogs	—	—	—	—	—	—	—

a Includes 15,920 exported from Chicago by way of Canadian ports.

b Includes 5,173 exported from Chicago by way of Canadian ports.

c Includes 5,501 shipped from Chicago by way of Montreal.

d Includes 2,231 shipped from Chicago by way of Montreal.

The number of certificates issued for exported cattle was 1,616, as against 1,563 for 1897. The number of clearances of vessels carrying live stock was 971, as against 954 in 1897.

The following table gives the number of cattle and sheep inspected at time of landing by the inspectors of the Bureau stationed in Great Britain, with the number and percentage lost in transit:

Number and percentage of cattle and sheep inspected by Bureau inspectors in Great Britain, and number and percentage lost in transit.

From—	Cattle.			Sheep.		
	Landed.	Lost in transit.	Landed.	Lost in transit.	Landed.	Lost in transit.
United States	Number. 381,420	Number. 851	Per cent. 0.22	Number. 151,863	Number. 1,224	Per cent. 0.8
Canada	17,164	56	.32	27,912	394	1.39
Total	398,584	907	.23	179,775	1,618	.89

This table shows an increase of 20,898 cattle and a decrease of 9,408 sheep when compared with the report for 1897. The number of head of cattle lost in transit in 1897 was 2,323, or 0.61 per cent, as against 907 head, or 0.23 per cent, for this year. The number of sheep lost in transit in 1897 was 2,676, or 1.39 per cent, as against 1,618, or 0.89 per cent, for this year.

The cost of the inspection of export animals, the supervision of Southern cattle transportation, and the inspection of animals imported from Mexico was \$101,210.55. It is estimated that half of this expense is on account of the export inspection, and, with this as a basis, the cost of inspecting the 548,419 domestic cattle and sheep exported was \$50,605.28, or 9.2 cents per head. The number of inspections made on these animals in this country was 1,157,065, and in Great Britain 533,283, making a total of 1,690,348, the average cost of each inspection being 2.99 cents.

Following is a statement showing the inspection of domestic cattle and sheep for export and the number exported for 1898 and previous years:

Inspections and exports of domestic cattle and sheep, 1893 to 1898, inclusive.

Fiscal year.	Cattle.				Sheep.		
	Number of inspections.	Number rejected.	Number tagged.	Number exported.	Number of inspections.	Number rejected.	Number exported.
1898	859, 346	1, 438	418, 694	400, 512	297, 719	180	147, 907
1897	845, 116	1, 565	410, 379	390, 554	348, 108	189	184, 596
1896	815, 882	1, 303	377, 639	365, 345	733, 657	893	422, 603
1895	657, 756	1, 060	324, 339	324, 299	704, 044	179	350, 808
1894	725, 243	184	360, 580	363, 535	135, 780	-----	85, 809
1893	611, 542	292	280, 570	289, 240	-----	-----	-----

SOUTHERN CATTLE INSPECTION.

During the quarantine season of 1897 there were received and yarded in the quarantine divisions of the various stock yards 35,317 cars, containing 972,224 cattle; the number of cars cleaned and disinfected was 35,280.

In the noninfected area in Texas 225,096 cattle were inspected for the identification of brands prior to removal to other States for grazing.

INSPECTION OF IMPORTED ANIMALS.

The number of animals imported from Mexico and inspected at the ports of entry along the boundary line comprised 177,772 cattle, 64,207 sheep, 104 swine, and 3,053 goats.

There were imported from Canada for slaughter, milk production, grazing, feeding, etc., and not subject to quarantine detention, 79,907 cattle, 184,352 sheep, 374 swine, 2,998 horses, 2 goats, 8 mules, 1 deer, and 6 buffalo, of which 385 cattle, 6,867 sheep, and 217 swine were for breeding purposes.

Below is a statement of the animals imported and quarantined for the prescribed period at the different quarantine stations:

Animals imported and quarantined at different stations.

Stations.	Cattle.	Sheep.	Swine.
Littleton, Mass	1	-----	-----
Garfield, N. J.	282	303	10
St. Denis, Md.	10	-----	-----
Houlton, Me	43	52	1
Eastport, Me	1	-----	-----
Island Pond, Vt	13	8	-----
Beecher Falls, Vt	89	50	-----
Newport, Vt	108	-----	-----
Richford, Vt	16	-----	-----
St. Albans, Vt	62	96	-----
Rouses Point, N. Y.	26	-----	-----
Ogdensburg, N. Y.	144	-----	-----
Cape Vincent, N. Y.	51	-----	-----
Buffalo, N. Y.	85	-----	-----
Port Huron, Mich.	44	-----	-----
Total.	975	509	11

There were 2 dogs, 2 deer, 14 goats, and 6 camels at the Garfield Station, making a total of 1,519 animals quarantined.

TO PREVENT DISSEMINATION OF SHEEP SCAB.

In order to prevent the dissemination of scabies, it was required that sheep intended for feeding or breeding purposes should be dipped before being permitted to leave the stock yards, if they were affected with the disease or had been exposed to contagion. Accordingly, 535,501 sheep were dipped under the supervision of inspectors of this Bureau, various preparations being used for this purpose.

INSPECTION OF HORSES.

The appropriation for the coming fiscal year carries a provision "that live horses and carcasses and products thereof be entitled to the same inspection as other animals, carcasses, and products thereof" named in the bill. In accordance therewith, regulations are being formulated to govern the work of inspection of horses at abattoirs and of export horses.

WORK OF THE BIOCHEMIC DIVISION.

During the past year the routine work of the biochemic division in the preparation and shipment of tuberculin and mallein, and of ink for use in stamping meat, has continued steadily and demanded much time from the divisional force. During the winter and spring months tuberculin sufficient to inject about 5,000 animals is sent out each month, while a slightly less quantity is used during the summer. The ink used for stamping the meat continues to give satisfaction; the work is more easily performed, and at the same time considerable money has been saved.

EXPERIMENTS WITH HOG CHOLERA.

The experiments conducted in the fall of 1897 upon hog cholera and swine plague proved so encouraging that a special appropriation was made by Congress for the purpose of continuing the work during the present year. Owing to the late date of the passage of the bill making this appropriation available, the work has been somewhat delayed; besides it was necessary first to erect barns at the Bureau station, and also to make the necessary purchases of animal and other material, in order to begin the experiments on a sufficiently practical scale. Material to inject about 2,000 animals was sent to the agent of the Bureau in Iowa, where the first test is being made, and his reports already received indicate that from 75 to 80 per cent of the animals treated are saved, while the loss in herds not treated is from 80 to 85 per cent. A full report of this test will find its proper place in the report for 1898.

On account of the time required to secure a supply of this serum, the quantity so far produced has not been as great as was expected, but the results from the use of the comparatively small amount so far distributed have been so gratifying that I deem it desirable to continue the work another year. The production of serum is being steadily increased, and in the course of two or three months a large and regular output will be assured. It remains only to test the remedy upon a sufficient scale and to perfect the method of procedure.

ADDITIONAL HELP AND ROOM NEEDED.

The proper conduct of these experiments has greatly increased the work of this laboratory. While two assistants have been added to the

force, there is still need of additional help. The increased duties of the laboratory employees make it absolutely necessary that more room be provided if good results are to be obtained. The working space is so crowded that it not only interferes with the rapid conduct of investigations of various kinds, but the excessive weight of desks, tables, cases, etc., on the floor has reached the limit of safety.

GERMAN TOYS AND COLORED GOODS POISONOUS.

In connection with an examination of those imports coming from Germany which might be injurious to the health of our people it was shown that toys and colored goods of German origin were poisonous. All of the highly painted German toys may be considered very dangerous to the health of the children of this country if the paint is sucked or chipped off and swallowed through any inadvertence.

ESTIMATING NICOTINE IN SHEEP DIPS.

Some examinations of the tobacco dips used in connection with sheep scab indicate that the methods in common use for the determination of nicotine are very misleading. Several experiments have therefore been made to find an easy and satisfactory method for estimating nicotine, and one has been worked out which is both practical and easy of execution. As the tobacco and sulphur dip is one of the most efficacious known, the importance of reliable methods for determining its strength is evident.

OBSERVATIONS RELATIVE TO TUBERCULOSIS.

The study of tuberculosis with reference to both men and animals has been continued, and the reports received from a tuberculosis sanatorium where the serum supposed to have curative properties for tuberculosis has been used to some extent indicate that in incipient stages of the disease this material is of considerable value. The results also indicate that further experiments in the line already begun should be continued, as there is a prospect of still more satisfactory results. An easy, convenient, and important method for staining and differentiating tubercle bacilli from other germs which might be confused with them has also been worked out in this laboratory.

A fact which should be emphasized and carefully considered in connection with investigations of this character is the salary paid to the individuals engaged in the study of bacterial products. These men are at all times exposed to the danger of contracting a dangerous disease which may destroy their usefulness throughout life. Under these circumstances salaries commensurate with the high character of the work required and the dangers to which they are exposed should be paid.

WORK CONTEMPLATED.

It is contemplated by this division to undertake investigations relative to Texas fever, anthrax, and other diseases of animals.

WORK OF THE DIVISION OF PATHOLOGY.

DIPPING FOR TEXAS FEVER.

Experiments in the dipping of cattle with a view to destroying the ticks which spread the infection of Texas fever have been continued,

and a substance has been found in which the cattle may be immersed without suffering any serious injury, and which will destroy all the ticks on an animal in a single dipping. This is great progress over last year's experiments, as it was then considered absolutely necessary that cattle should be dipped twice before it would be safe to send them into any territory where cattle are susceptible to Texas fever. The preparation in which the cattle are dipped is a light lubricating oil containing dissolved sulphur. During the summer experiments have been made with a view to ascertaining whether this method of treating cattle could be carried out on a large scale, and for this purpose several train loads of cattle have been dipped at Fort Worth, Tex., and shipped to various places north of the quarantine line.

Two train loads of cattle, consisting of about 500 head, were sent to the northern part of Illinois, where they were placed in pastures with susceptible cattle in order to ascertain whether the dipping had rendered them safe against transmitting the fever. The experiments have proved to be a success, in so far as all the ticks were destroyed on the dipped cattle and that no disease was transmitted by them. About 600 head have also been dipped with perfect success at Mammoth Spring, Ark. Preparations are now being made to adopt the dipping method generally, by means of which the cattle from the infected districts may be shipped north of the quarantine line during the entire year, while they are at present restricted by quarantine during ten months of the year. The importance of this measure can hardly be overestimated, and is considered by prominent stockmen and farmers to be worth millions of dollars, both to the cattle raisers below the quarantine line and to the cattle feeders and grain producers north of the line. Late in the season reports of some injuries to cattle by dipping have been received. These were due partly to the condition of the cattle and partly to the strength of the dipping mixture. Experiments are now in progress which it is believed will enable the Department to remove all difficulties.

Applications have been received to permit the establishment of a large number of dipping stations along the quarantine line, and, owing to the great importance of giving a free market to cattle from the quarantined district, it is only proper that such permits should be granted at central points where the trade is sufficient to warrant such action. This new service will, however, require a considerable increase in the inspection force as it will not be safe to allow cattle to be dipped otherwise than under expert supervision.

BLACKLEG INVESTIGATIONS.

The preparation and distribution of blackleg vaccine have been continued throughout the year, and the demand for the vaccine has increased very much. More than 355,000 doses have been distributed, and the reports sent in by the recipients of the vaccine show that the annual losses from blackleg have been reduced from an average of from 10 to 20 per cent to less than 1 per cent. This means a saving of at least \$500,000 worth of cattle, and when all stock owners become familiar with the method and it is adopted throughout all the cattle-raising districts where blackleg prevails it will not alone save millions of dollars, but also tend to eradicate the disease completely.

RABIES.

In the course of the year a number of supposed cases of rabies in dogs has been brought to this laboratory for determination. In some

cases the dogs had bitten one or more persons, and it was consequently of great importance to determine whether the animals were suffering from rabies or not. In two cases it was proven that the dogs had been suffering from rabies and the health officer of the District was notified to that effect, and the five people who had been bitten by these dogs received the antirabic treatment of Pasteur.

MISCELLANEOUS WORK.

The usual routine work of examining pathological specimens sent to the Bureau from veterinary inspectors and private parties has been continued, and a number of outbreaks of infectious and contagious diseases among the domesticated animals in the vicinity of Washington City has been investigated and the owners advised as to the proper care and treatment of the animals.

WORK OF THE DAIRY DIVISION.

The general survey of the condition of the dairy industry of the country at large, which was begun upon the organization of the division, has been continued, together with inquiries as to special branches, such as the milk supply of cities and large towns. Some reports have been printed and others are in hand awaiting revision and publication.

The collection of dairy data in general continues, with a view to its proper arrangement and future use in the form of circulars of information, popular bulletins, and the like. So far as the clerical force of the office permits the material collected has been indexed for ready reference.

The routine work of the office constantly increases, including general correspondence, calls for specific information, and the preparation of manuscript for publication.

During the year there have been published two bulletins and one circular prepared in the division, besides contributions to the Year-book of the Department and to the Annual Report of the Bureau, in all comprising 284 printed pages.

The chief and assistant chief of the division have visited during the year centers of dairy interest in twenty-one States and collected information for future use. In order that the Department might be represented at as many as possible of the annual conventions of State dairy associations and similar organizations, Mr. John H. Monrad, of Illinois, was appointed temporarily as a special agent of the division, and assisted in attending public dairy meetings. In all, twenty-four States were visited, and dairy meetings attended in nineteen of them. In this way officers and employees of the division have been enabled to meet hundreds of the representative men connected with this industry in various parts of the country, and to establish relations which will be of material future benefit to the general work.

BUTTER SHIPMENTS TO GREAT BRITAIN.

The experimental exports of butter by this Bureau to Great Britain, which were commenced in the spring of 1897, and partially reported upon a year ago, were continued until the close of the active creamery year of 1897, and resumed at the opening of the season of 1898 upon an enlarged scale. These exports have constituted the principal current work of this division during the fiscal year now reported, and have involved much detail, occupying the greater part of the time and attention of the office force. A complete report of the operations during

the commercial year of 1897 has been prepared and is ready for publication in the annual report of the Bureau for 1898.

Without anticipating the results of the present (or second) season of these trial exports, it can now be confidently stated that much additional information has been obtained in the line desired, and a decided gain is evident in the favorable impression made by butter of the first quality from creameries in the United States upon the best class of the butter trade in London and Manchester.

An exhibit in the nature of an object lesson, illustrating the component parts of the various products and by-products of the dairy, has been recently prepared, and is included in the display of the Bureau of Animal Industry at the Trans-Mississippi and International Exposition, at Omaha, Nebr.

PROPOSED LINES OF WORK FOR 1898-99.

It is proposed that the work of the dairy division for the fiscal year 1898-99 shall include continuation of the different lines of effort reported as receiving attention during the years previous and still incomplete.

As already indicated, a large part of the energies of the division will be required for the experimental exports of butter, to which some trials with cheese and eggs and perhaps dressed poultry may be added. Material extension of these trial exports, in frequency, quantity, and variety of new markets, is made possible by the provisions incorporated in the current appropriation bill for this Department, in accordance with last year's recommendations, and by which the net proceeds of the sales of the products purchased for experimental export are available for a continuation or repetition of such exports.

It seems expedient to continue the weekly experimental exports of butter in progress during the summer of 1898 through the autumn and the following winter, in order to complete the trial of a full year's offerings in the market of Manchester, if not also in London.

Meanwhile it is proposed, by correspondence and the services of special agents, some voluntary, to investigate the prospects of trade in the dairy products of the United States on the islands of the Pacific, Japan, and China, and also in the West Indies and South America. It is not unlikely that such inquiries will render it desirable to make experimental exports in those directions before the close of the present fiscal year and during the next one. An appropriation similar to the one now available is therefore to be desired for the new fiscal year.

It is expected to prepare, in part, during the current year for the proper presentation of the dairy interests and products of the United States at the coming Paris Exposition.

RECOMMENDATIONS.

The following recommendations are respectfully made for the fiscal year ending June 30, 1900:

(1) A sufficient appropriation for extending and developing foreign markets for dairy products of the United States, under provisions similar to those applying to the funds now available for this purpose. The reasons for this have been already stated.

(2) That legislation be sought by which the existing system of Government inspection and certification of meats and meat products for export may be extended (with suitable modifications) to include butter, cheese, and condensed milk for export from the United States.

Reasons for such new legislation were given a year ago, as follows:

The combined efforts of the Government and commercial enterprise may succeed in the early establishment of a high reputation for American butter in desirable foreign markets; but as soon as accomplished, this becomes liable to be destroyed by the cupidity of those who, trading on this reputation, flood the same market with butter of low grade, yet still entitled to export and sale as "produce of the United States." This will disgust merchants and consumers alike and reverse the reputation of our butter, just as the fine market of Great Britain for our cheese was recently ruined by the quantity of low grade and counterfeit cheese which was exported without being marked to show its true character. The remedy seems to lie in extending and adapting the provisions of law regarding the inspection of meats exported from this country so as to make them apply to butter and cheese. The brands of "pure butter" and "full-cream cheese" should then be affixed by United States inspectors to such products only as are of a fixed minimum standard of quality. Such precautions, duly legalized and properly executed, would place the good butter and cheese of this country in foreign markets under the identifying label and guaranty of the United States Government, leaving similar merchandise of lower grade to find a place for itself upon its own merits. It should be borne in mind that dairy products of Denmark and Canada, which are the chief competitors of the United States in the markets of Great Britain, bear the inspection certificate and guaranty of quality from their respective Governments, and thereby maintain a great commercial advantage.

Such a system of inspection is much desired by the most reliable exporters, and the proposition has met with decided approval wherever considered by fair-minded interested parties.

ERADICATION OF SHEEP SCAB.

In the report for 1897 it was noted that experiments were being made by the Bureau with different sheep dips for the purpose of determining which is the most efficacious and at the same time least injurious to the animal. These experiments were concluded, and the results appear in an exhaustive article entitled "Sheep scab: Its nature and treatment," in the annual report of the Bureau of Animal Industry for 1897, mentioned elsewhere in this report. In addition to the character of dips, this article gives a full history and description of the mite causing common sheep scab, and also descriptions of the various kinds of apparatus used in dipping.

Inspectors of the Bureau have been zealous in enforcing Order No. 5, relative to the transportation of sheep having scab, which is as follows:

TRANSPORTATION OF SHEEP AFFECTED WITH SCABIES.

U. S. DEPARTMENT OF AGRICULTURE,
OFFICE OF THE SECRETARY,
Washington, D. C., June 18, 1897.

To the managers and agents of railroad and transportation companies of the United States, stockmen, and others:

In accordance with section 7 of the act of Congress approved May 29, 1884, entitled "An act for the establishment of a Bureau of Animal Industry, to prevent the exportation of diseased cattle, and to provide means for the suppression and extirpation of pleuro-pneumonia and other contagious diseases among domestic animals," and of the act of Congress approved April 23, 1897, making appropriation for the Department of Agriculture for the fiscal year ending June 30, 1898, you are hereby notified that the contagious disease known as sheep scab, or scabies of sheep, exists among sheep in the United States, and that it is a violation of the law to receive for transportation or transport any stock affected with said disease from one State or Territory to another, or from any State into the District of Columbia, or from the District into any State. It is also a violation of the law for any person, company, or corporation to deliver for such transportation to any railroad company, or master or owner of any boat or vessel, any sheep, knowing them to be affected with said disease; and it is also unlawful for any person, company, or corporation to drive on foot or transport in private conveyance from one State or Territory to another, or from any State into the District of Columbia, or from the District into any State, any sheep, knowing them to be affected with said disease.

All transportation companies and individuals shipping, driving, or transporting sheep are requested to cooperate with this Department in enforcing the law for preventing the spread of the said disease. Inspectors of the Bureau of Animal Industry are directed to report all violations of this act which come to their attention.

In order more effectually to accomplish the object of the above-mentioned laws, it is hereby ordered that any railroad cars, boats, or other vehicles which have been used in the transportation of sheep affected with said disease shall be immediately cleaned and disinfected by the owners or by the transportation companies in whose possession said cars or vehicles may be at the time the animals are unloaded by first removing all litter and manure which they contain and then saturating the woodwork with a 5 per cent solution of crude carbolic acid in water. Inspectors of the Bureau of Animal Industry are directed to see that this order is carried into effect.

JAMES WILSON, *Secretary.*

The information which is now available for the public is sufficient to enable anyone to cure this disease with a minimum of trouble and expense. There will hereafter be no excuse for those who claim that they are unacquainted with the nature of the disease or with the method of treatment.

AGRICULTURAL ATTACHE AT BERLIN.

The tendency has been growing in Germany to assume that all diseased or unwholesome meat is of American origin. The Department of Agriculture having certified, through the inspection of the Bureau of Animal Industry, that all pork shipped to Germany is free from trichinæ and produced from healthy animals, the time had arrived when it became necessary to learn the truth in the matter, in order, first, to correct the error, if it existed, in the system of microscopic inspection conducted by the Bureau, or, second, to deny authoritatively the charge. Accordingly, Dr. Ch. Wardell Stiles, zoologist of this Bureau, was commissioned as agricultural attaché of the American embassy at Berlin in the latter part of March, with instructions to trace to a conclusion every such rumor or charge of German origin. The account of his work will necessarily appear in the report for the fiscal year 1899, and in that report he will be able to show that in many of the cases there is no trichinæ infection and that in others where it has existed it was not of American origin or had not been certified as microscopically inspected.

It would be rash to assert that there could have been no oversight in the inspection of 120,271,659 pounds of pork, which was the amount inspected last year, but it is certain that such errors are reduced to the minimum; and the purpose of sending Dr. Stiles abroad on this mission is to both reassure the American people and to convince the German people, so far as possible, that the most painstaking efforts are made by the Bureau to inspect all pork exported to Germany, and that our microscopic inspection is as rigid and safe as that made by any country.

PUBLICATION WORK.

A list of publications of the Bureau appears below. On March 1 a clerk was appointed to have special charge of the editorial work of the Bureau. This character of assistance has been needed for some time, as the time of the chief of the Bureau and divisional chiefs was wholly consumed in executive work or pressing investigations. One of the first duties of this assistant was the preparation of the annual report of the Bureau for the fiscal year 1897. For ten years previous to 1897 the reports of the Bureau have been issued biennially, owing principally to lack of time to compile them, but it is proposed hereafter to

issue one each year, as the law authorizes. The report for 1897 was late in reaching the printer, but it will soon be issued. Its principal contents are the usual report of the chief of the Bureau to the Secretary; a review of the contagious diseases of animals in Europe; an exhaustive article on the nature and treatment of sheep scab; the State and Territorial laws relative to contagious diseases of animals not published heretofore in the reports of the Bureau, and a complete collection of the dairy laws; also the orders issued by the Bureau since its organization.

The work on the annual report of the Bureau for 1898 is already well in hand.

An index is being made, which will embrace not only all of the publications of the Bureau but all documents of the Department which relate in any way to animal industry. This is being prepared as time can be spared from editorial work, but it will probably be ready for publication before the end of the fiscal year 1899.

NEEDS OF THE BUREAU.

In the report for last year attention was directed to the importance of an experiment station, to be the property of the Department, and also of greater laboratory facilities. The conditions have not been changed for the better, while the demand becomes more imperative. If these matters could receive the favorable action of Congress, the work of this Bureau would be greatly facilitated and the interests of public economy be subserved at the same time.

PUBLICATIONS.

There have been published during the fiscal year the following reports, bulletins, pamphlets, circulars, and map:

- Report of the Chief of the Bureau of Animal Industry for 1897.
- The Country Slaughterhouse as a Factor in the Spread of Diseases. (Reprint from Yearbook.)
- Care of Dairy Utensils. (Reprint from Yearbook.)
- Some Modern Disinfectants. (Reprint from Yearbook.)
- Bureau of Animal Industry. (Reprint from Yearbook.)
- Utilization of By-Products of the Dairy. (Reprint from Yearbook.)
- Standard Varieties of Chickens. (Reprint Farmers' Bulletin No. 51.)
- The Dairy Herd: Its Formation and Management. (Reprint Farmers' Bulletin No. 55.)
- Facts About Milk. (Reprint Farmers' Bulletin No. 42.)
- Hog Cholera and Swine Plague. (Reprint Farmers' Bulletin No. 24.)
- Care of Milk on the Farm. (Reprint Farmers' Bulletin No. 63.)
- Ducks and Geese: Standard Breeds and Management. (Reprint Farmers' Bulletin No. 64.)
- Butter Making on the Farm. (Reprint Farmers' Bulletin No. 57.)
- Creameries or Butter Factories. (Reprint from Twelfth and Thirteenth Annual Reports of the Bureau of Animal Industry.)
- Dairy Schools. (Reprint Bulletin No. 17.)
- Directions for the Pasteurization of Milk. (Revised edition, Circular No. 1.)
- Some Essentials in Beef Production. (Farmers' Bulletin No. 71.)
- Circular No. 20. Preventive Vaccination against Blackleg.
- Circular No. 21. Directions for the use of Blackleg Vaccine.
- Circular No. 22. List of Officials and Associations connected with the Dairy Interests in the United States and Canada for 1898.
- Circular No. 23. Blackleg: Its Nature, Cause, and Prevention.
- Bulletin No. 18. The Dairy Industry in Missouri and Kansas.
- Bulletin No. 19. The Inspection of Meats for Animal Parasites.
- Bulletin No. 20. The Milk Supply of Boston and other New England Cities.
- Map showing the boundary line of the district infected with splenetic, or southern, fever of cattle.

The following statement shows the amount of the disbursements made for the various branches of the work for the fiscal year:

*Statement of disbursements from the appropriation for salaries and expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1898.**

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Meat inspection	\$381,408.44	\$716.34	\$25,380.05	\$407,504.83
Microscopic inspection	161,554.00	262.47	10,159.38	171,975.85
Export cattle inspection	59,076.81	715.66	3,665.34	63,457.81
Southern cattle inspection	31,371.94	5,701.36	544.10	37,617.40
Import cattle inspection	4,243.00	1,456.90	21.30	5,721.20
Washington and miscellaneous	2,185.00	1,614.23	2,335.98	6,135.21
Scientific investigations	3,549.26	2,442.69	9,749.74	15,741.69
Dairy division	1,133.72	1,477.61	7,311.30	9,922.63
Collecting information	1,171.64	625.04	.....	1,796.68
Eradication of hog cholera and swine plague	3,196.23	1,900.88	6,634.75	11,731.86
Hog cholera serum experiments	973.75	.....	4,417.93	5,391.68
Total	619,863.79	16,913.18	70,219.87	736,996.84

* Including vouchers paid to October 1, 1898.

† Paid from the appropriation for fiscal year 1899, made available March 22, 1898, \$64,446.66.

Accompanying this statement will be found a list of the names of the persons employed and an itemized statement of expenditures from the amount appropriated.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898.

STATUTORY SALARIES, BUREAU OF ANIMAL INDUSTRY.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Miscellaneous items.	Salaries.	Travel- ing.	Miscel- laneous.
				Per diem.	Per annum.				
WASHINGTON, D. C.									
D. E. Salmon	Chief of Bureau	July 1, 1896			\$4,000				
G. M. Brumbaugh	Assistant Chief	do			2,500				
S. Sylvester B. Burch	Chief Clerk	Jan. 1, 1897			2,500				
A. D. Melvin	Chief inspection division	July 1, 1896			2,500				
E. B. Jones	Assistant chief inspection division	Ang. 16, 1895			1,800				
H. E. Alvord	Chief dairy division	July 1, 1895			2,500				
R. A. Pearson	Assistant chief dairy division	Sept. 1, 1895			1,800				
V. A. Nørgaard	Chief pathological division	Nov. 1, 1896			2,250				
Louise Taylor	Laborer	Apr. 14, 1897		a \$60.00					
Do	Assistant in pathological division	Oct. 16, 1897			1,200				
Thomas B. Reamy	Chief biochemical division	July 1, 1893			840				
E. A. de Schweinitz	Assistant biochemical division	July 1, 1895			2,250				
Marion Dorset	do	Aug. 1, 1894			1,200				
James A. Emery	do	Aug. 1, 1895			1,200				
W. S. Stamper	Chief miscellaneous division	July 1, 1896			720				
A. M. Farrington	Zoologist	Aug. 16, 1895			2,000				
Ch. W. Wardell Stilos	Superintendent experiment station	July 1, 1894			2,000				
E. C. Schroeder	Veterinary inspector	July 1, 1896			1,800				
Charles F. Dawson	Assistant veterinary experiment station	Sept. 1, 1895			1,400				
Albert Hassall	Clerk	Apr. 1, 1897			1,000				
W. E. Cofton	do	do							
H. H. Gordos	Veterinary inspector	Nov. 1, 1896			1,800				
Andrew J. Olin	Assistant veterinary experiment station	July 1, 1892			1,400				
Mary Sullivan	Clerk	Sept. 1, 1895			1,000				
Mary T. Dent	do	do							
Joseph A. Abel	do	do							
I. C. I. Evans	do	do							
M. H. Mahon	do	do							
M. N. Barnard	do	do							
Irving Frickey	do	do							
Chas. D. Geddes	do	do							
Benj. G. Wasdon	do	do							

a Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

STATUTORY SALARIES, BUREAU OF ANIMAL INDUSTRY—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Traveling.	Miscellaneous.
				Per diem.	Per annum.		
WASHINGTON, D. C.—cont'd.							
James M. Pickens	Clerk	Jan. 9, 1897	July 5, 1897	\$1,000	.....	
F. T. Bickford	do	July 1, 1897	.....	1,000	.....	
McP. Reynolds	do	Sept. 12, 1897	.....	1,000	.....	
Walter D. Dunlap	do	Nov. 16, 1897	.....	1,000	.....	
Nellie F. Haughton	do	Dec. 9, 1897	.....	840	.....	
Keppler Hoyt	Special editorial compiler	July 1, 1897	Sept. 21, 1897	1,000	.....	
Mary E. Fagan	Stenographer and typewriter	Sept. 21, 1897	.....	1,000	.....	
H. S. Mott	Fireman	Mar. 15, 1895	.....	720	.....	
George L. Hall	do	Jan. 23, 1896	.....	720	.....	
Wm. H. Moore	Messenger	July 1, 1896	.....	720	.....	
Wm. P. Siedman	do	Nov. 1, 1896	.....	720	.....	
Edw. J. Maloy	do	July 1, 1896	.....	720	.....	
Asa H. Kite	do	do .....	.....	660	.....	
Lena Bradford	Skilled laborer	Sept. 1, 1896	.....	660	.....	
Geo. W. Brett	do	July 1, 1896	.....	660	.....	
Geo. W. Scheerer	Laborer	July 1, 1896	.....	660	.....	
Do	Skilled laborer	Jan. 16, 1898	.....	660	.....	
Wm. S. D. Haines	Artist	July 1, 1896	.....	1,400	.....	
Jared M. Shyder	Laborer	Mar. 15, 1897	Sept. 16, 1897	720	.....	
Wm. C. Shimoneck	Messenger	Apr. 3, 1897	.....	720	.....	
Emily J. Wilde	Laborer	July 1, 1897	.....	720	.....	
Taylor True	do	Sept. 10, 1894	.....	660	.....	
John Richards	do	July 1, 1896	.....	500	.....	
Jennie Jones	do	do	Sept. 22, 1897	400	.....	
Kate McCarty	Charwoman	Aug. 18, 1898	.....	240	.....	
Catherine Baltimore	do	Sept. 26, 1897	.....	480	.....	
Frank Snyder	Laborer	Oct. 1, 1897	.....	720	.....	
Louise Douglas	Charwoman	May 10, 1898	.....	480	.....	
Sarah L. Garner	do .....	.....	.....	240	.....	

SALARIES AND EXPENSES.

WASHINGTON, D. C.							
Geo. F. Thompson	Clerk	Mar. 1, 1898	.....	\$1,800	.....	
C. O. Goodpasture	do	Mar. 21, 1898	.....	1,000	.....	

\$605.00

280.56

Flagler H. Phillips	Laborer	Oct. 23, 1897	165.87
Stella L. Carpenter	do	Apr. 1, 1898	150.00
W. S. Orton	do	Jan. 17, 1898	124.67
L. W. Thavis	do	May 1, 1898	100.50
John H. Gaskins	do	do	75.00
Geo. E. Howard	Special agent	Apr. 17, 1898	60.00
Sarah Proctor	Laborer	June 1, 1898	162.90
Anna C. Kelton	do	Mar. 24, 1898	160.00
Dancy A. Gardner	do	Mar. 1, 1898	80.00
Alice B. Kennedy	do	do	40.00
May H. Wright	do	May 1, 1898	80.00
James R. Brown	do	do	40.00
D. E. Salmon	do	do	40.00
S. B. Burch	do	do	40.00
A. D. Melvin	do	do	40.00
G. M. Brumbaugh	do	do	40.00
L. C. I. Evans	do	do	40.00
Jas. M. Pickens	do	do	40.00
Jas. Stevenson	do	do	40.00
T. S. Palmer	do	do	40.00
C. O. Goodpasture	do	do	40.00
Toole A. Geddes	do	do	40.00
Geo. E. Howard	do	do	40.00
Am. Bertshire Association	do	do	40.00
Logan, Swift & Brigham	do	do	40.00
Envelope Co.	do	do	40.00
Postal Telegraph Cable Co.	do	do	40.00
Adams Express Co.	do	do	40.00
The Springfield Envelope Co.	do	do	40.00
Chicago and Northwestern Rwy. Co.	do	do	40.00
The Chicago and Alton Rwy. Co.	do	do	40.00
The Wabash R. R. Co.	do	do	40.00
United States Express Co.	do	do	40.00
Baltimore and Ohio R. R. Co.	do	do	40.00
J. R. Buckelew	do	do	40.00
United States Electric Lighting Co.	do	do	40.00
Pennsylvania Co.	do	do	40.00
Kansas City, St. Joseph and Council Bluffs R. R. Co.	do	do	40.00
Louis S. Hayden	do	do	40.00
The Lawyers' Cooperative Publishing Co.	do	do	40.00
	Traveling expenses		
	do	\$218.30	
	do	160.55	
	do	259.57	
	do	61.32	
	do	84.37	
	do	17.15	
	do	9.55	
	do	21.65	
	do	25.70	
	do	64.00	
	Illustrating bulletins	\$397.75	
	McIntosh, Disease of the Pig	1.00	
	Envelopes, printed	204.90	
	Telegrams	25.77	
	Expressage	191.27	
	Manila envelopes	63.56	
	Transportation, Burch, Melvin, et al.	70.40	
	Transportation, Melvin	7.50	
	Transportation, Melvin & Geddes	15.00	
	Expressage	93.82	
	Transportation, Burch, Melvin, et al.	108.50	
	Paper, letter books, and cards	98.35	
	Use of electric current	2.14	
	Transportation, Salmon, Melvin, et al.	107.60	
	Transportation, Burch, Melvin, et al.	17.65	
	Horse book	15.75	
	General Digest	6.00	

a Per month.

Chas. H. Akers	Copy of law of Arizona	26.60
Easton & Kupp	Scrapbooks and envelopes	12.34
Edw. F. Ehlinger	Drayage	.39
Terre Haute and Indianapolis R. R. Co.	Transportation, D. E. Salmon	20.25
The Missouri Pacific Rwy. Co.	Transportation, Salmo, I.	58.84
M. Du Puy	Burch, et al.	
Josephine L. Camp	Electric fans	
The Chesapeake and Ohio Rwy. Co.	Copying laws of Connecticut	
Louisville, Evansville and St. Louis Consolidated R. R.	Transportation, Burch, Melvin, et al.	
Geo. A. Shehan	Lumber for screens	
L. H. Hopkins	Spring hinges	6.92
T. S. Palmer	Photographs of ostriches	2.00
Southern California Rwy. Co.	Transportation, T. S. Palmer	4.60
The Geo. W. Knox Express Co.	Expressage	.25
Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation, Burch, Melvin, et al.	15.00
The Atchison, Topeka and Santa Fe Rwy. Co.	do	23.07
Lake Shore and Michigan Southern Rwy. Co.	do	30.00
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	15.80
Allegheny Valley Rwy. Co.	do	13.80
Chicago, Milwaukee and St. Paul Rwy.	do	11.96
Southern Pacific Co.	Transportation, T. S. Palmer	11.35
Total		\$2,185.00
<hr/> SCIENTIFIC INVESTIGATIONS <hr/>		
Chas. M. Day	Assistant inspector	
Robt. H. Tracy	do	\$1,200
Wm. C. Shinnock	Messenger	1,200
R. K. Caueron	Expert assistant	720
Geo. M. Ruthin	do	a \$75.00
Chas. D. Harvey	do	a 50.00
Ch. Wardell Stiles	Services as plumber	
Victor A. Norgaard	do	35.00
E. A. de Schweinitz	Traveling expenses	
Geo. C. Paville	do	
		1,614.23
		2,335.98
Nov. 19, 1894		763.06
Oct. 12, 1896		66.67
Apr. 3, 1897		330.00
June 1, 1898		50.00
		35.00
		720.92
		403.26
		271.11
		26.25

at Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.			Disbursements.	
				Per diem.	Per annum.	Salaries.	Travel- ing.	Miscel- laneous.
SCIENTIFIC INVESTIGA- TIONS—continued.								
Chas. F. Dawson.						Traveling expenses.....		\$13.90
Louise Taylor.						do	1.25	
W. M. Galt & Co.						Streetcar tickets.....		\$8.00
E. M. Willis.						Feed, oats, bran, and hay.....		28.00
International Navigation Co.						Ice.....		185.35
International States Electric Lighting Co.						Transportation, Ch. W. Stiles.		
MacKall Bros. & Flemer						Electric current.....		157.75
James Bellwood						Flaiks, drugs, and chemicals.....		49.53
G. E. Scheert.						Boarding cattle.....		
Harrison Johnson						Scientific books.....		171.34
Z. D. Gilman.						Bent of laboratory.....		67.50
Rudolph West & Co.						Syringes, thermometers, and bulbs.....		35.05
Bansch & Lomb Optical Co.						Label holders and casters.....		1,200.00
Leincke & Buechner.						Boxes, syringes, and bottles.....		37.73
Pennsylvania R. R. Co.						Scientific books.....		
The Kuy-Scheerer Co.						Transportation, Norgaard and Stiles.		
Wyckoff, Seaman & Bene- dict.						Syringes and needles.....		
Thos. Somerville & Sons.						Repairing typewriters.....		
Chas. R. Edmonston.						Repairing steam pump.....		
L. H. Hopkins.						Filter tubes, buckets, and pails.....		
The Missouri Pacific Rwy. Co.						Drug mill.....		
The Baltimore & Ohio Southwestern Rwy. Co.						Transportation, Norgaard and Day.		
E. Morrison Paper Co.						do		55.70
Eimer & Arnould.						Manila cardboard.....		
Joseph Mathy.						Bottles and chemicals.....		
Barber & Ross.						Sheet lead for table cover.....		
V. A. Norgaard.						Drug and bone mill.....		
Whitall, Tatum & Co.						Guinea pigs, meat, eggs, etc.		
Ch. Wardell Stiles.						Homeopathic vials.....		
						Zenoleum, thermometers, and drugs.		

Ernest Betz.....	50.85
W. H. Milliken & Co	7.50
W. H. Lowdermilk & Co	21.85
Henry H. Brown	38.37
Edw. S. Schmid	38.50
Library Bureau	81.44
Chicago and Northwestern Rwy. Co.	12.50
Fremont, Elkhorn and Missouri Valley R. R. Co.	4.94
H. C. Underwood Manufacturing Co.	19.21
Thomas Binnix	8.50
Southern Rwy. Co.	.....
Chicago, Rock Island and Pacific Rwy. Co.	.....
Boston and Albany R. R. Co.	.....
Geo. A. Sheahan	90.65
Fred B. Nichols & Co	11.40
W. B. Moses & Sons	4.98
Jas. T. Dougherty	6.00
S. S. Shedd & Bro	2.75
Waters-Pierce Oil Co	90.20
The St. Joseph and Grand Island Rwy. Co.	7.50
Terre Haute and Indiana R. R. Co.	13.60
W. A. Taggart	105.00
Geo. E. Howard .....	.....
E. A. de Schweinitz .....	.....
Wm. A. Curran .....	.....
San Antonio and Aransas Pass Rwy.	.....
The Texas and Pacific Rwy. Co.	.....
Rufus P. Clarke .....	.....
G. G. Cornwell & Son	1.50
M. Du Perow	2.00
John A. Power & Co	24.30
Washington Gaslight Co	55.50
Photochromo Engraving Co .....	.....
Burlington and Missouri River R. R. in Nebraska.	25.00
International and Great Northern R. R. Co.	18.05
Mrs. M. H. King .....	.....
Services and materials	122.08
Hog-cholera antitoxin .....	.....
Scientific books .....	.....
Photographic materials and photographs .....	.....
Guinea pigs .....	.....
Guides and cards .....	.....
Transportation, V. Nørgaard .....	.....
Transportation, C. M. Day .....	.....
Boxes .....	.....
Covering table with sheet lead .....	.....
Transportation, Nørgaard and Dawson .....	.....
Transportation, C. M. Day .....	.....
Transportation, Ch. W. Stiles .....	.....
Lumber for tables .....	.....
Planetary pencil sharpener .....	.....
Refrigerator, desk, chairs .....	.....
Guinea pigs .....	.....
Covering tables with lead .....	.....
Paraffin, zone, and dynamo oil .....	.....
Transportation, C. M. Day .....	.....
Transportation, V. Nørgaard .....	.....
Boarding horse .....	.....
Drawings of sheep	30.42
Velvets and toys for experiment	90.00
Guinea pigs	15.93
Transportation, V. Nørgaard .....	.....
..... do	1.70
..... do	4.45
Linen handkerchiefs for microscopes .....	.....
Den-johns	21.20
Electric fans .....	.....
Tapping water main, and material .....	.....
Gas pipe and laying same .....	.....
Line engravings, "sheep stab" .....	.....
Transportation, C. M. Day	1.10
Transportation, V. Nørgaard .....	.....
Lumber, livery, and feed .....	.....

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.	
				Per diem.	Per annum.	Miscellaneous items.	Salaries.
SCIENTIFIC INVESTIGA- TIONS—continued.							
Omaha and Republican Val- ley Rwy. Co.						Transportation, C. M. Day	\$3.18
The Public Printer						1,000 copies Bulletin No. 19	\$789.75
Total.							\$3, 549.26 2, 442.69 9, 749.74
EXPERIMENT STATION, ^a							
Max. R. Foerster	Architect.	June 9, 1897		\$1,721.50		Services	430.37
Geo. W. Breit	Skilled laborer.	Sept. 1, 1896		600.00		do	302.63
Taylor Trice	Laborer.	Sept. 10, 1894		600.00		do	302.63
T. C. Blackiston	do	Jan. 15, 1898		600.00		do	176.13
R. H. Phillips	do	Oct. 23, 1897		600.00		do	218.30
W. S. Orton	do	Jun. 15, 1898	Apr. 16, 1898	600.00		do	25.00
Robt. W. Waters	do	Mar. 31, 1898		600.00		do	150.00
Herbert Henderson	do	Mar. 24, 1898		600.00		do	92.87
Wm. Paden	do	do	June 30, 1898	600.00		do	92.87
David Turner	do	Apr. 16, 1898		600.00		do	75.00
Chas. D. Harvey	do	Apr. 1, 1898		600.00		do	7.00
Jos. Lindner	do	May 20, 1898		600.00		do	35.81
D. Suddith	do	Sept. 22, 1897	Oct. 21, 1897	600.00		do	60.00
John Richards	do	June 27, 1896		600.00		do	229.12
W. M. Galt & Co.						Corn oats, and rock salt	488.16
Damerow & Co.						Meat, bran, hay, and salt	2, 017.38
H. J. Rupper						Rent, experiment station	290.00
R. C. Schroeder						Betting.	27.81
H. C. Sisson						Horseshoeing, and towels	318.00
H. Bradley Davidson						Filling and grading for barns	550.00
Mackall Bros. & Flenor						Beakers, pipettes, and drugs	42.40
J. H. Hobson						Labor and material, boiler	118.50
W. G. Offutt						Painting water tank	12.00
Sam'l. Lloyd						Furnishing and laying pipes	67.12
H. K. Mulford Co.						Excavating tank	12.00
Max. R. Foerster						Guinea pigs	24.20
Street-car fares							

OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY. 25

a Included in "Scientific investigations."

SALARIES AND EXPENSES—Continued.

List of persons employed and disbursements made during the fiscal year ended June 30, 1893—Continued.

Name,	Designation,	Appointed,	Services on- ord.	Compensation.	Disbursements.
				Per diem.	Per diem.
				Per annum.	Miscel- laneous.
DAIRY DIVISION—continued.					
W. E. Spurr				\$89.28	
W. H. Wray				98.63	
Hilton & Nimmio				68.87	
A. D. Hoard				121.45	
Collins Auto Co.				9.00	
Vernon Creamery Co.				1,187.92	
Iowa Agricultural College				56.86	
The Springfield Envelope Co.				1.40	
L. H. Honkins				16.80	
J. R. Bucklew				161.09	
Star Lake Cooperative				5.60	
Dairy Association,					
The Hawley Box and Lumber Co.					
Lake Shore and Michigan Southern Rwy.					
W. H. Rose					
Schreiber & Sons					
Waco and Northwestern R. R.					
Pennsylvania R. R.					
The Missouri Pacific Rwy. Co.					
St. Louis and San Francisco R. R. Co.					
Norfolk and Western Rwy. Co.					
Southern Rwy. Co.					
Terre Haute and Indianapolis R. R. Co.					
Creamery Packing Co.					
Thomas C. Walters					
Louisville and Nashville R. R. Co.					
E. Morrison Paper Co.					
Geo. E. Howard					
Australian butter boxes					
Imported butter					
Transportation, H. E. Alvord					
Paper clips					
Illustrating bulletins for Dairy Division					

Pittsburg, Cincinnati, Chi- cago and St. Louis Rwy. Co.	Transportation, R. A. Pearson	16.00
Baltimore and Ohio R. R. Co.	Safe Repairing typewriters	16.00
The Mosler Safe Co.	Safe	15.00
Wykoff, Seaman & Bene- dict.	Safe .....	.60
M. Du Perow	Electric fans.	24.30
E. B. Woodward	Butter	677.40
Schwarz & Sulzberger Co	Butter and freight	124.42
Boardman Bros.	Eggs	93.60
De Witt Goodrich	Butter	605.20
Morrison & Manville Egg Crate Co.	Egg crates	9.00
White Star Line	Freight on butter.	44.27
A. Jensen.	Butter	430.20
Union Creamery Co	Brackets for electric fans.	.48
W. A. Pate	Drayage and moving safe.	4.01
The Geo. W. Knox Express Co.	Pasteur filter	12.75
Chas. R. Edmonston	Cables, maps, stationery	26.10
Newton B. Ashby	Shoe tags	3.40
John C. Parker	Transportation, H. E. Alvord.	3.20
Chicago and Northwestern Rwy. Co.	Freight on dairy machinery	7.96
The Atchison, Topeka and Burlington, Cedar Rapids and Northwestern Rwy. Co.	Transportation, H. E. Alvord.	4.64
Hovey, Clark & Co.	Butter	100.96
J. G. Turnbull	do	228.19
Merchants Refrigerating Co	Freight and storage, butter.	40.00
Chicago, Milwaukee and St. Paul Rwy	Transportation, H. E. Alvord.	12.80
The Public Printer	1,500 copies Dairy Test Record, 31,000 copies Farmers' Bul- letins, 6,000 copies Creamer- ies or Butter Factories.	1,357.28
Total	\$1,133.72	1,477.61
TUBERCULIN MANUFAC- TURE. a		7,311.30
Mackall Bros. & Flemer.	Vials, corks, tubes, and filters.	129.87
Washington Gaslight Co.	Gas	219.80
E. A. de Schweinitz	Meat, eggs, sawdust, and pota- toes.	84.16

8 Included in "Scientific investigations."

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

S. S. Daish & Son	182.50
E. A. de Schweinitz	43.00
Z. D. Gilman	12.20
Mackall Bros. & Flenier	144.35
The Watson-Stillman Co.	20.00
Lautz & Co.	65.00
David Piffenning	250.00
A. Wilson & Bro.	409.30
Robt. J. Kleberg	320.00
O. J. Becker	149.85
The C. W. Surgical Instrument Co.	7.50
Total.....	973.75
	4,417.93
ERADICATION OF HOG CHOLERA AND SWINE PLAGUE.	
* <i>Clarinda, Iowa.</i>	
John Mc Birney	Inspector
J. J. Bagwell	Laborer
J. M. Campbell	do
J. S. Lunsford	do
David C. Owens	do
D. B. Way	do
H. B. Waldron	do
Do	Foreman
Marion Dorset	do
Kansas City, St. Joseph and Council Bluffs R. I. Co.	do
The Chesapeake and Ohio Rwy. Co.	do
Chicago, Burlington and Quincy R. R. Pennsylvania, R. R. Co.	do
Burlington and Missouri River R. R. in Nebraska.	do
The Wabash R. R. Co.	do
John Mc Birney	do
Marion Dorset	Hog mixture, lime and labor.
The Kuy-Schoeber Co.	Hog mixture, pigs, alcohol, etc.
Geo. H. Arman	Hypodermic syringes.
C. D. Johnson	Hogs for experiment.
E. J. Tharp	do
J. Knudsen	do
S. Hayner	do
J. M. Campbell	do
R. T. Feltch	do
R. R. Montgomery	do
Chas. Fulton	do
J. F. Cozad	do
C. A. Hultine	do
	1,119.23
	551.92
	432.50
	470.00
	125.00
	267.50
	498.00
	627.51
	284.00
	344.37
	272.17
	4.68
	27.00
	14.04
	28.50
	2.94
	27.75
	205.84
	10.75
	12.00
	35.70
	34.65
	20.85
	20.00
	15.00
	11.00
	10.55
	2.75
	2.00
	3.00
	5.75

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.			Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	Miscel- laneous.
ERADICATION OF HOG CHOL- ERA AND SWINE PLAGUE— continued.									
<i>Clarinda, Iowa—Cont'd.</i>						Hogs for experiment.....			
P. J. Johnson.....						do			\$7.20
A. O. Brewer.....						do			9.60
Mrs. Eliza McKee.....						do			12.10
Wm. T. Beckett.....						do			33.00
F. J. Borland.....						do			38.25
C. M. Conver.....						do			78.90
Clark Davison.....						do			278.50
I. B. Damewood.....						do			20.00
A. B. Clayton.....						do			21.00
Jas. Whimore.....						do			53.40
C. H. Spalding.....						do			15.20
G. T. Loy.....						do			34.95
W. W. Montague.....						do			3.20
E. J. Caldwell.....						do			3.00
A. K. Christensen.....						do			32.90
W. L. Gordon.....						do			2.40
J. T. Haley.....						do			8.26
C. H. B. Carlson.....						do			2.50
Amos Apple.....						do			3.25
H. E. Anderson.....						do			3.00
Jno. E. Davis.....						do			4.30
Mary Friesz.....						do			4.95
C. G. Petersen.....						do			5.00
F. M. Manifold.....						do			6.00
Wm. E. Newman.....						do			7.00
Renel Miller.....						do			13.12
Frank Johnson.....						do			18.76
W. W. Whitlow.....						do			19.50
Jos. Burwell.....						do			7.70
H. D. Lucas.....						do			7.00
B. F. Ennis.....						do			2.50
E. W. Armons.....						do			28.75
C. H. Varley.....						do			12.56
L. E. Dredge.....						do			15.75

C. M. Collier	63.00
D. D. Stitt	126.30
Frank Morley	23.74
Fred Boles	6.88
D. B. Holton	10.20
J. E. McCurdy	10.60
Jas. A. Bloom	15.60
J. D. Laughlin	19.68
Franklin McClellan	142.01
Ambrose Bivens	88.00
A. C. Harland	3.75
Edwld. Crosby	67.02
Isaao Mulkins	75
Jacob Hamm	1.50
T. E. Earhart	2.00
C. B. Worrell	3.00
J. S. Crosby	2.00
C. A. Gates	2.00
L. W. Good	10.62
Frank Brokaw	8.00
J. D. Maxwell	3.00
Caleb Hall	188.98
E. N. Fowler	5.60
P. P. Castle	72.50
Jas. Whitmore	12.60
R. T. Johnson	2.00
J. W. Duncan	371.45
J. D. Elliott	181.92
J. S. McParland	170.91
Friedhard Bros	150.00
J. S. Hayes	510.00
T. Henry	142.30
N. W. Winter	2.25
R. D. Fairrens	19.76
S. M. Elriok	158.50
David Harris	166.80
Ed. Lakes	228.02
Jno. W. Service	360.00
J. L. Johnston	155.02
J. S. Bentley	66.95
Edwld. Hollis	6.75
A. C. Jackson	10.00
Aug. C. Frisby	50.00
S. E. McAlpin	144.75
James Dunn	136.00
Saml. Hollis	83.15
Phil. M. Crockett	1.50
S. W. Kelley	168.00
M. R. Ausbach	53.80
A. A. Berry	161.00
W. T. Crain	375.01

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

EXPORT CATTLE INSPECTION.

Chicago, Ill.

James Fleming	Assistant inspector	Jan. 1, 1896	\$1,200	1,186.81
Max Wolf	Clerk	Feb. 1, 1896	1,000	1,000.00
Jas. V. De Vine	Live-stock agent	900	853.60	853.60
Arda Watson	do	900	900.00	900.00
John F. Kelly	Stock examiner	900	815.00	815.00
Michl. J. Quirk	do	900	897.50	897.50
Wm. C. Honan	do	900	147.48	147.48
Dighton Granger	Tagger	720	10.77	10.77
Do.	Stock examiner	900	478.41	478.41
Patt. H. Griffin	Tagger	720	121.21	121.21
Jere. Holland	do	720	720.00	720.00
John Jones	do	720	152.50	152.50
Michl. M. Murray	do	720	536.66	536.66
Richd. Walsh	do	720	720.00	720.00
Wm. Ryan	do	720	56.00	56.00
Frank A. Paddock	Laborer	2.00	365.43	365.43
Do.	Tagger	720	598.80	598.80
De L. Howard	do	720	4.66	4.66
W. S. Devoe	Union Stock Yard and Transit Co.	Office expenses	180.00	180.00
Wm. E. Pratt	do	Office rent	2.70	2.70
Chas. O. Brockway	do	Hog ringers	245.00	245.00
John Schroeder	do	Metcal export tags Saw, nails, and broom	1.72	1.72
<i>New York, N. Y.</i>				
Wm. H. Rose	Veterinary inspector	Sept. 1, 1893	2,000	2,000.00
Henry Brister	do	July 15, 1892	1,600	1,600.00
R. B. Letts	Inspector	Oct. 15, 1889	1,200	1,200.00
Joe P. McElaney	do	Sept. 1, 1893	1,200	1,200.00
Jas. Flannery	do	Jan. 1, 1894	1,000	1,000.00
Wm. Foley	do	do	1,000	1,000.00
Chas. F. Cramer	Tagger	Feb. 1, 1896	720	720.00
Edw. L. Flannery	do	do	720	720.00
Geo. Messmer	do	Sept. 15, 1893	720	720.00
Chas. J. Munzing	do	Nov. 6, 1893	718.00	718.00
Geo. E. Schumacher	do	Feb. 6, 1896	720	720.00
Charles Tuohy	do	June 18, 1894	486.30	486.30
James Stikeman	do	Apr. 30, 1898	720	720.00
New York Telephone Co	Office rent		500.00	500.00
<i>Buffalo, N. Y.</i>				
Nelson P. Hinkley	Inspector	Aug. 1, 1893	1,800	1,333.29
Louis A. Robinson	do	Jan. 1, 1897	1,400	1,400.00
Bernard P. Wende	do	Sept. 11, 1893	1,400	1,400.00
John P. O'Leary	Assistant inspector	Feb. 1, 1896	1,200	703.30

<i>Boston, Mass.</i>	Daniel D. Lee	Inspector	Sept. 1, 1893	Feb. 28, 1898	1,257.14	30.95
	A. G. Richardson	do	July 1, 1896	2,000	543.93	\$36.25
	Do	do	April 1, 1898	1,400		177.12
	Geo. W. L'ope	Assistant inspector	Nov. 11, 1895	1,600		
	Do	Inspector	April 1, 1898	1,200		
	Jno. G. Sloc	Assistant inspector	April 1, 1898	1,400	1,250.00	
	Thomas Mulryan, Jr.	Stock examiner	Jan. 1, 1894	1,200		
	do	do	do	1,000	187.91	
	do	Clerk	Feb. 12, 1898	900	1,000.00	23.25
	Jno. P. Freeman	do	Nov. 6, 1893	1,000		
	Do	do	Mar. 31, 1898	840		
	L. L. Gilman	do	April 1, 1898	720		
	Le. L. Bullard	Tagger	Mar. 1, 1892	720		
	Wm. J. Corbett	do	Feb. 1, 1896	720		
	Park. F. Murphy	do	Sept. 15, 1893	720		
	Geo. H. Oliver	do	Dec. 7, 1891	720		
	John Shannon	do	Mar. 1, 1892	720		
	Ed. D. Fitzgerald	do	Mar. 10, 1898	720		
	Cyrus K. Small	do	Jan. 8, 1896	720		
	Jas. S. Kennealy	do	May 23, 1898	720		
	Jas. G. Jeffroy	do	July 1, 1898	720		
	Harry F. Horne	Laborer	May 23, 1896	1.50		
	Jos. F. Dean	do	do			
	New England Telegraph and Telephone Co.	do	do			
	The Boston Gaslight Co.	do	do			
	Wm. B. Moses & Sons	do	do			
	Ezra B. Whittier	do	do			
<i>Pittsburg, Pa.</i>	Harry N. Waller	Assistant inspector	June 1, 1895	1,200	1,250.00	4.58
	Do	Inspector	April 1, 1898	1,400		
	Geo. Cronley	do	June 1, 1895	2.00		
	Walter J. Morris	do	Sept. 8, 1897	2.00		
	Wm. Miller	do	do	2.00		
	Jno. T. Callahan	do	do	2.00		
	F. J. Gilmore	do	Sept. 3, 1897	2.00		
	Lake Shore and Michigan Southern Rwy. Co.	do	do			
	Chas. O. Brookway	do	do			
	<i>Norfolk and Newport News.</i>	do	do			
	Geo. G. Faville	Inspector	Do. 15, 1893	1,400	1,400.00	12.78
	Sol. Miller	Stock examiner	May 1, 1894	1,000	1,000.00	
	Chas. O. Brookway	do	do			
		Office rent				25.55
		Metal tags				144.00
						7.00

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Jos. Sullivan - Chesapeake and Ohio Rwy. Co.	Tagger	Feb. 15, 1895	720	Transportation, L. P. Cook	332.00	21.25
<i>Kansas City, Kans. and Mo.</i>						
Albert Dean	Live-stock agent	Sept. 1, 1893	1,800		1,800.00	118.72
A. B. Morse	Inspector	May 19, 1895	1,400		700.00	38.25
Wm. D. Jordan	Live-stock agent	Jan. 1, 1894	1,200		1,200.00	58.15
George C. Cunningham	do	do	1,200		1,200.00	543.35
Joseph Bruser	do	do	1,200		1,200.00	103.30
Do	do	Nov. 15, 1897	1,400		1,274.43	
W. E. Hill	do	Jan. 1, 1894	1,400		1,274.43	
Do	do	Nov. 15, 1897	1,200		1,274.43	
Chas. H. Blehner	Assistant inspector	Aug. 16, 1895	1,200		1,250.00	574.45
Do	Inspector	Apr. 1, 1898	1,400		400	
Harry B. Adair	Assistant inspector	Oct. 1, 1896	1,200		703.30	145.30
Abram M. Adams	do	Feb. 12, 1897	1,200		1,156.60	198.70
Leslie J. Allon	do	Aug. 11, 1896	1,200		570.03	221.15
Geo. A. Bond	do	Feb. 24, 1898	1,200		419.97	88.20
Thos. A. Bray	do	Apr. 1, 1897	1,200		900.00	212.82
Frank C. Ellis	do	Mar. 1, 1898	1,200		403.30	20.53
Predk. W. Hopkins	do	Feb. 15, 1896	1,200		10.00	
Peter I. Kershner	do	Feb. 3, 1897	1,200		903.30	109.76
Jno. R. Mohler	do	Feb. 1, 1897	1,200		254.37	87.00
S. J. Murray	do	May 23, 1898	1,200		121.98	21.01
Jas. J. Sumnerfield	do	May 26, 1898	1,200		118.68	18.55
P. H. Mallowey	do	Jan. 17, 1898	1,200		546.70	195.15
Frank T. Shannon	do	July 15, 1895	1,200		1,173.90	156.11
Rice P. Steddon	do	Apr. 1, 1897	1,200		496.70	267.71
Thomas L. Rice	do	Feb. 10, 1898	1,200		305.00	42.25
A. J. Murray	do	Mar. 21, 1898	5.00		100.00	88.80
Thos. P. Barbour	Stock examiner	May 1, 1895	900		75.80	
W. N. D. Bird	do	Mar. 15, 1895	900		885.25	15.40
De N. Jewett	do	Jan. 24, 1898	900		450.01	51.40
Alexander Lob	Live-stock agent	Feb. 15, 1894	1,200		456.53	23.65
Do	Stock examiner	Feb. 10, 1898	900		372.50	
B. L. Stine	do	Aug. 1, 1897	900		860.20	
Jos. W. Parkor	Clerk	May 1, 1897	840		42.05	
Do	do	Mar. 1, 1898	900		180.00	
Albert Dean	Kansas City Stock Yards Co.				10.00	
<i>The J. H. North Furniture and Carpet Co.</i>						
San Antonio and Aransas Pass Rwy. Co.	Transportation, Kershner and Ells.				18.40	
Southern California Rwy. Co.	Transportation, Hill and Moller.				75.00	
Galveston, Harrisburg and San Antonio Rwy. Co.	Transportation, Rice, Bond, Bray et al.				168.25	

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

<i>Norfolk, Va.</i>	Jos. M. Turner	Stock examiner.....	Mar. 10, 1896	900	900.00	9.70
Walter E. Stoner	Tagger	Apr. 7, 1897	720	720.00	12.93	
Jos. M. Turner			Street-car fares		\$37.25	
Walter E. Stoner			do		18.85	
<i>Chicago, Ill.</i>						
Benj. S. Paddock	Live-stock agent.....	Nov. 1, 1896	1,200			
Wm. C. Honan	Stock examiner.....	May 1, 1897	900			
Ridhd. K. Lynn	do	Apr. 23, 1894	900			
Arthur Stuart	do	Feb. 1, 1896	900			
Edw. Brundige	do	Jan. 16, 1894	900			
Wm. Hutton	Laborer	Aug. 11, 1896	\$2.00			
Hiram Grable	do	Sept. 1, 1896	2.00			
W. S. Devoe			Frane for quarantine map			
John Schroeder			Hammer and tacks			
<i>Miscellaneous.</i>						
Toeie A. Geddes	Inspector	July 1, 1896	1,400			
Do	do	Apr. 1, 1898	1,000			
C. J. Shbler	do	July 1, 1896	1,800			
Jas. Irwin	Stock examiner	June 15, 1897	1,000			
Herbert M. Smith	do	Aug. 19, 1897	900			
W. C. Rayen	Live-stock agent	Nov. 30, 1894	@100.00			
Julius Hulsen			Traveling expenses			
Geo. C. Faville			do			
Jas. W. Davis			Hire, horse and buggy			
James B. Lambe			Tacks			
The Maurice Joyce En-			"Southern fever" maps			
graving Co			"Southern fever" quarantine			
A. Hoen & Co			maps			
Albert J. Payne			Street-car fare			
Southern Rwy. Co			Transportation, H. M. Smith			
Norfolk and Washington	Steamboat Co.		do			
Pennsylvania R. R. Co			Transportation, T. A. Geddes			
The Atchison, Topeka and			Transportation, A. B. Morse			
Santa Fe Rwy. Co			Transportation, C. J. Sihler			
Virginia and Truckee R. R.			do			
Carson and Colorado Rwy. ..						
Total				31,371.94	5,701.36	544.10

^aPer month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		Miscel- laneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	
MEAT INSPECTION.								
W. S. Devoe	Inspector	June 1, 1893		\$2,500			\$2,500.00	
O. E. Dyson	do	May 1, 1894		1,600			1,600.00	
O. J. Lanigan	do	Jan. 16, 1897		1,600			1,600	
Wm. A. Kruette	do	July 1, 1896		1,400			1,354.63	
Adolph M. Casper	do	Jan. 1, 1895		1,400			1,373.01	
Jos. B. Clancy	do	Aug. 15, 1893		1,400			1,400.01	
J. G. Fish	do	Jan. 16, 1895		1,400			1,396.14	
S. W. Burt	Veterinary inspector	Sept. 1, 1893		1,400			1,400.00	
O. G. Atherton	Assistant inspector	Nov. 10, 1896		1,200			1,196.70	
S. G. Burkholder	do	Jan. 1, 1897		1,200			1,200.00	
Herman Busman	do	Feb. 23, 1898		1,200			1,200.82	
L. Ends Day	do	Apr. 15, 1897		1,200			1,200	
Chas. E. McNeil	do	Mar. 4, 1898		1,200			1,200	
Albert E. Rishel	do	do		1,200			1,200	
F. L. De Wolf	do	do		1,200			1,200	
Chas. H. Zink	do	June 1, 1896		1,200			1,200	
Geo. A. Lytle	do	Apr. 1, 1898		1,200			1,200	
Hiram W. Hawley	do	Nov. 1, 1895		1,200			1,211.30	
Ulysses G. Houck	do	Sept. 15, 1896		1,200			1,223.30	
James G. Hope	do	Mar. 4, 1898		1,200			1,226.78	
Jas. C. Keely	do	Mar. 1, 1898		1,200			1,227.47	
Jno. A. Kiernan	do	Nov. 10, 1896		1,200			1,190.17	
Frank B. McCall	do	do		1,200			1,163.50	
Harry D. Paxon	do	Jan. 17, 1898		1,200			1,176.84	
Wm. C. Siegmund	do	July 15, 1895		1,200			1,210.03	
Niels C. Sorensen	do	do		1,200			1,207.68	
Do.	Inspector	do		1,400			813.57	
Walter J. Stewart	Assistant inspector	do		1,400			456.78	
Frank S. Tufts	do	June 15, 1896		1,200			946.15	
Arthur R. Wake	do	Apr. 15, 1897		1,200			286.81	
Wm. H. Smith, Jr.	do	Nov. 18, 1895		1,200			237.36	
Louis A. Klein	do	Apr. 1, 1898		1,200			240.66	
Charles Battin	Clerk	do		1,200			1,000.00	
B. A. Galligan	do	Jan. 1, 1896		1,000			1,000.00	
E. B. Luce	do	Feb. 1, 1896		1,000			1,000	

	do	Dec. 1897	do	Dec. 31, 1897	
Geo. V. McIntyre.....	do	Dec. 15, 1893	do	1,000	1,000
Charles S. Pew.....	do	Jan. 10, 1898	do	1,000	1,000
S. H. Tourtellotte.....	do	Nov. 1, 1895	do	413.90	413.90
J. J. O'Malley.....	do	June 1, 1897	do	900.00	900.00
Jacob K. Skinner.....	do	Dec. 15, 1896	do	900.00	900.00
Leroy Scribner.....	do	Dec. 21, 1896	do	840	840
Irving W. Pew.....	do	Mar. 10, 1898	do	720	720
D. H. McArthur.....	do	Nov. 1, 1895	do	840	840
Norman R. Adams.....	Stock examiner.....	Nov. 1, 1894	do	261.33	261.33
W. J. Bennett.....	do	Jan. 1, 1894	do	873.08	873.08
George Best.....	do	do	do	848.65	848.65
E. W. Brundige.....	do	do	do	669.20	669.20
H. D. Burdick.....	do	do	do	485.00	485.00
Thos. G. Clark.....	do	do	do	900.00	900.00
R. C. Cooley.....	do	do	do	900.00	900.00
Bryan L. Conway.....	do	do	do	900.00	900.00
Jas. J. Duffey.....	do	do	do	500.32	500.32
David Frisch.....	do	do	do	900.00	900.00
Jas. Gardner.....	do	do	do	897.57	897.57
Henry Grady.....	do	do	do	900.00	900.00
Geo. Grafton.....	do	do	do	900.00	900.00
James Hale.....	do	do	do	880.00	880.00
Thos. F. Hanley.....	do	do	do	868.12	868.12
Geo. T. Hamton.....	do	do	do	900.00	900.00
Wm. H. Harst.....	do	do	do	900.00	900.00
Wm. P. Hickey.....	do	do	do	832.56	832.56
Denis Hurley.....	do	do	do	746.70	746.70
Jos. F. Jordan.....	do	do	do	900.00	900.00
R. Kochanowski.....	do	do	do	900.00	900.00
Otho D. Kortz.....	do	do	do	850.74	850.74
Geo. Lannham.....	do	do	do	900.00	900.00
Abram M. Mann.....	do	do	do	833.95	833.95
Jas. A. Murphy.....	do	do	do	900.00	900.00
Jno. A. Murphy.....	do	do	do	892.87	892.87
Terence O'Brien.....	do	do	do	900.00	900.00
Thos. O'Shaughnessy.....	do	do	do	823.37	823.37
G. W. Pierce.....	do	do	do	897.55	897.55
W. S. Pidcock.....	do	do	do	900.00	900.00
Wm. Prondfoot.....	do	do	do	838.41	838.41
Chas. W. Roosse.....	do	do	do	900.00	900.00
Jno. J. Ryan.....	do	do	do	900.00	900.00
Jno. W. Sarsfield.....	do	do	do	900.00	900.00
Frank Schroeder.....	do	do	do	900.00	900.00
Fredk. L. Shimpson.....	do	do	do	900.00	900.00
Jno. B. Sine.....	do	do	do	900.00	900.00
Arthur Stuart.....	do	do	do	900.00	900.00
Sam'l. T. Smith.....	do	do	do	550.44	550.44
Chas. O. Turner.....	do	do	do	900.00	900.00
Wm. Umbach.....	do	do	do	877.84	877.84
Thos. J. Wade.....	do	do	do	900.00	900.00
Jno. Wallwork.....	do	do	do	900.00	900.00
Fred. D. Waterman.....	do	do	do	900.00	900.00
				Jan. 15, 1896	

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end-ed.	Compensation.		Disbursements.	
				Per diem.	Per annum.	Miscellaneous items.	Salaries.
MEAT INSPECTION—cont'd.							
<i>Chicago, Ill.—Continued.</i>							
H. B. Weller	Stock examiner	Feb. 1, 1896		\$900			\$900.00
H. D. Williams	do	June 27, 1895		900			900.00
Geo. W. Wood	do	do		900			900.00
Theo. B. Zundel	do	Nov. 1, 1895		900			900.00
Richd. E. Lyman	do	Apr. 23, 1894		900			900.00
Wm. H. Baker	Tagger	May 1, 1896		720			147.48
W. A. Biener	do	Feb. 15, 1898		720			354.11
Clark C. Bone	do	Feb. 15, 1898		720			270.00
Do	Stock examiner	Oct. 18, 1897		720			
Wm. D. Clark	Tagger	June 1, 1898		900			374.90
Wm. Cleveland	do	Oct. 14, 1897		720			514.62
Harry H. Colloid	do	Jan. 1, 1892		720			720.00
Michl. J. Dinnecin	do	Nov. 18, 1895		720			712.01
Jno. Fitzgerald	do	Sept. 10, 1894		720			430.33
Jas. A. Flanagan	do	June 27, 1895		720			696.16
James Foley	do	May 23, 1895		720			720.00
Wm. Fox	do	July 17, 1893		720			720.00
M. J. Froidlme	do	Feb. 1, 1894		720			706.19
Thos. K. Fugit	do	June 8, 1896		720			717.94
Dighton Granger	do	Feb. 1, 1896		720			720.00
Jno. J. Gaerity	do	Oct. 18, 1897		720			13.70
Albert E. Harris	do	Sept. 1, 1893		720			720.00
Jas. Herriman	do	May 1, 1896		720			720.00
DeL. Howard	do	June 27, 1895		720			121.20
Jno. Jacobson	do	Sept. 15, 1893		720			248.48
Humbert Jones	do	Feb. 15, 1895		720			506.00
Julius Kidder	do	May 1, 1896		720			524.40
Bobt. G. Knipke	do	June 9, 1897		720			718.10
J. C. Lorenzon	do	June 8, 1896		720			712.13
Daul. Lynch	do	June 27, 1895		720			715.96
Jno. C. Massie	do	Aug. 15, 1893		720			720.00
Michl. Metzler	do	Oct. 20, 1896		720			720.00
M. L. McMahon	do	Sept. 15, 1893		720			720.00
Chas. W. Philpot	do	June 27, 1895		720			506.79
J. C. Portierfield	do	Oct. 18, 1897		720			720.00
Jas. M. Rainey	do	May 16, 1894		720			720.00
		June 27, 1895		720			

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Salaries.	Traveling.	Miscel. laneous.
				Per diem.	Per annum.			
MICROSCOPIC INSPECTION—continued.								
<i>Chicago, Ill.—Continued.</i>								
Nellie A. Arnold.	Assistant microscopist.			Aug. 20, 1897	Dec. 19, 1897			
Flora A. Ayers.	do			Nov. 26, 1894	do	\$600		
Libbie Bacon.	do			Aug. 20, 1897	Dec. 19, 1897	600		
Ida Bannister.	do			Sent. 1, 1893	do	600		
Katie Barrow.	do			Nov. 1, 1892	do	600		
Mary K. Barry.	do			May 1, 1895	do	600		
Addie E. Benneson.	do			Apr. 23, 1894	do	600		
Malvina A. Bixby.	do			Aug. 20, 1897	do	600		
Elise Bianch.	do			Feb. 17, 1897	Dec. 19, 1897	600		
Veturia E. Boyd.	do			Dec. 1, 1892	do	600		
Marta E. Brandt.	do			Dec. 7, 1896	do	600		
Laura D. Burke.	do			June 22, 1891	do	600		
Nellie Callaghan.	do			Sept. 1, 1893	do	600		
May E. Carlisle.	do			do	do	600		
Tillie Cella.	do			Nov. 28, 1892	do	600		
M. I. Charlesworth.	do			Aug. 9, 1897	do	600		
Anna F. Clarke.	do			Sept. 1, 1893	do	600		
M. J. Connell.	do			do	do	600		
Nora Conway.	do			Oct. 10, 1892	do	600		
May H. Crosby.	do			Sept. 1, 1893	do	600		
Lillie M. Crowell.	do			Feb. 1, 1894	do	600		
Nellie F. Danon.	do			Feb. 5, 1894	do	600		
Nina J. Davis.	do			Jan. 3, 1898	do	600		
Barbara Dorse.	do			Dec. 26, 1894	do	600		
May Drom.	do			Aug. 20, 1897	Dec. 19, 1897	600		
Ella P. Earle.	do			Mar. 25, 1895	do	600		
H. Augusta Eaton.	do			Apr. 23, 1894	do	600		
Elizith K. Eckert.	do			Mar. 16, 1895	do	600		
Eulalia Edwards.	do			Sept. 1, 1897	do	600		
Clara B. Ellars.	do			Sept. 20, 1897	do	600		
Margaret Enright.	do			Sept. 11, 1893	June 23, 1898	600		
Matilda Evanson.	do			Dec. 21, 1897	do	600		
Abbie M. Farwell.	do			Feb. 15, 1895	do	600		
Lyde Finlen.	do			Jan. 1, 1894	do	600		

Sarah Flaherty.....	Oct. 9, 1897	Dec. 30, 1897	127.46
Lillian T. Flood.....	Sept. 1, 1897	do	600
Mary A. Flood.....	do	do	600
Ada K. Gannom.....	do	do	600
Elizabeth C. Gibson.....	Feb. 15, 1894	do	600
Mary F. Goggin.....	July 24, 1896	do	600
Nellie M. Goodridge.....	Aug. 9, 1897	do	600
Mary Gorman.....	May 16, 1893	do	600
Alice Granger.....	Aug. 26, 1891	do	600
Alice L. Hadley.....	Oct. 1, 1897	Dec. 31, 1897	132.15
Bartha G. Hardie.....	Sept. 1, 1897	Dec. 30, 1897	197.44
M. L. L. Peterson.....	Aug. 10, 1898	do	600
Jonnie E. Hatch.....	Sept. 7, 1897	do	600
Nellie F. Haughton.....	July 10, 1891	do	600
Eva M. Heiström.....	Aug. 20, 1897	do	600
Tessie C. Hayey.....	June 20, 1891	do	600
Julia Heil.....	Feb. 17, 1897	do	600
Tillie Heil.....	Dec. 21, 1897	do	600
Lizzie E. Hennessey.....	Apr. 1, 1894	do	600
Jessie Hickman.....	Dec. 20, 1897	do	600
Dora V. N. Hosmer.....	Feb. 1, 1894	do	600
Mary E. Hotchkiss.....	Mar. 3, 1895	do	600
Myrtle A. Hunt.....	Feb. 1, 1894	do	600
Abbie W. Hunter.....	Nov. 24, 1896	do	600
Effie M. Hunter.....	Dec. 1, 1893	do	600
Mary H. Harley.....	Jan. 3, 1898	do	600
Lonise Johnson.....	Sept. 1, 1893	do	600
Mary E. Kean.....	do	do	600
Nellie E. Kenyon.....	Dec. 20, 1897	do	600
Alice Lawson.....	Aug. 9, 1897	do	600
Mary E. Leahy.....	Sept. 1, 1893	do	600
Kate R. Luce.....	Aug. 17, 1897	do	600
Anny T. Mace.....	Jan. 3, 1898	do	600
Chris. MacNeil.....	Nov. 8, 1894	Mar. 28, 1898	197.54
Rose Mahony.....	Sept. 7, 1897	Jan. 5, 1898	252.12
Eva B. Markoe.....	Nov. 19, 1894	do	600
Ida Belle Martin.....	Nov. 15, 1893	do	600
Evelyn C. McCarthy.....	Jan. 3, 1898	do	600
L. G. McGlasson.....	May 1, 1892	do	600
Daisy G. McGrath.....	Jan. 3, 1898	do	600
Mary McShane.....	Feb. 16, 1895	do	600
Ehla C. McCristal.....	April 11, 1898	June 25, 1898	34.61
Ida May Meek.....	Sept. 24, 1897	Dec. 6, 1897	115.75
Fanny Fay Mills.....	Apr. 23, 1894	do	600
Katie A. Murphy.....	Aug. 15, 1892	do	600
Mamie F. Murphy.....	Sept. 1, 1893	do	600
Elizabeth L. Neill.....	Jan. 3, 1898	do	600
Mary Nelson.....	Oct. 1, 1897	Dec. 31, 1897	133.74
Annie Nicolai.....	Sept. 16, 1891	do	600
Margaret M. Morton.....	Dec. 10, 1896	do	600
Agnes B. O'Brien.....	Aug. 9, 1897	do	600
Helen E. O'Brien.....	do	do	536.50

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		Travel- ing.	Miscel- laneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
MICROSCOPIC INSPECTION— continued.									
<i>Chicago, Ill.—Continued.</i>									
Josie E. O'Brien	Assistant microscopist	Sept. 7, 1897	Jan. 5, 1898	... . . . .	\$600	... . . . .	\$192.69	... . . . .	... . . . .
Julia H. O'Brien	do	Aug. 8, 1897	... . . . .	600	600	... . . . .	473.63	... . . . .	... . . . .
Bessie D. Ogden	do	Mar. 15, 1895	... . . . .	600	600	... . . . .	548.78	... . . . .	... . . . .
Jessie G. Ogden	do	Aug. 6, 1894	... . . . .	600	600	... . . . .	543.86	... . . . .	... . . . .
Genevieve Petrie	do	Dec. 20, 1897	... . . . .	600	600	... . . . .	309.55	... . . . .	... . . . .
Emma Bonn	do	Aug. 29, 1897	... . . . .	600	600	... . . . .	412.94	... . . . .	... . . . .
Emma Pierson	do . . . . .	... . . . .	... . . . .	600	600	... . . . .	298.45	... . . . .	... . . . .
Jo. Purnam Hinds	do	Jan. 3, 1898	... . . . .	600	600	... . . . .	521.21	... . . . .	... . . . .
Anna M. Quinn	do	Oct. 1, 1894	... . . . .	600	600	... . . . .	534.21	... . . . .	... . . . .
A. H. Richards	do	Mar. 1, 1895	... . . . .	600	600	... . . . .	270.08	... . . . .	... . . . .
Agnes B. Rieder	do	Dec. 20, 1897	... . . . .	600	600	... . . . .	317.93	... . . . .	... . . . .
Laura Rieder	do	do . . . . .	... . . . .	600	600	... . . . .	517.77	... . . . .	... . . . .
Sarah A. Riley	do	Feb. 1, 1894	... . . . .	600	600	... . . . .	467.76	... . . . .	... . . . .
Belle Ritter	do	do . . . . .	... . . . .	600	600	... . . . .	425.99	... . . . .	... . . . .
Lila Robinson	do	Feb. 1, 1894	... . . . .	600	600	... . . . .	250.45	... . . . .	... . . . .
Josephine Rockwell	do	Jan. 3, 1898	... . . . .	600	600	... . . . .	591.75	... . . . .	... . . . .
Mabel Rockwell	do	Oct. 1, 1891	... . . . .	600	600	... . . . .	474.46	... . . . .	... . . . .
Blanche Roy	do	Dec. 1, 1894	... . . . .	600	600	... . . . .	593.42	... . . . .	... . . . .
Blanche Rutledge	do	Jan. 1, 1893	... . . . .	600	600	... . . . .	391.01	... . . . .	... . . . .
Nellie A. Ryan	do	Oct. 10, 1892	... . . . .	600	600	... . . . .	600.00	... . . . .	... . . . .
Hannah Scanian	do	Apr. 1, 1892	... . . . .	600	600	... . . . .	30.98	... . . . .	... . . . .
Tracey Schaeffer	do	Jan. 1, 1893	... . . . .	600	600	... . . . .	47.80	... . . . .	... . . . .
Nannie D. Strail	do	Feb. 1, 1894	... . . . .	600	600	... . . . .	24.46	... . . . .	... . . . .
Hattie Schnultz	do	Sept. 15, 1891	... . . . .	600	600	... . . . .	539.04	... . . . .	... . . . .
Mae H. Shaw	do	Dec. 7, 1896	... . . . .	600	600	... . . . .	478.47	... . . . .	... . . . .
Mary Sheehan	do	do . . . . .	... . . . .	600	600	... . . . .	545.76	... . . . .	... . . . .
Eralina M. Sheppard	do	Feb. 19, 1897	... . . . .	600	600	... . . . .	563.60	... . . . .	... . . . .
Jennie M. Shufeldt	do	Dec. 1, 1894	... . . . .	600	600	... . . . .	84.74	... . . . .	... . . . .
Mary Somers	do	Feb. 16, 1895	... . . . .	600	600	... . . . .	441.22	... . . . .	... . . . .
Eva M. Stevens	do	Aug. 20, 1897	... . . . .	600	600	... . . . .	577.07	... . . . .	... . . . .
W. O. Sutherland	do	Feb. 1, 1894	... . . . .	600	600	... . . . .	415.19	... . . . .	... . . . .
Stella Sweet	do	June 16, 1893	... . . . .	600	600	... . . . .	553.92	... . . . .	... . . . .
Maggie Taylor	do	Feb. 15, 1894	... . . . .	600	600	... . . . .	402.95	... . . . .	... . . . .
Virginia S. Taylor	do	Feb. 1, 1894	... . . . .	600	600	... . . . .	557.45	... . . . .	... . . . .
Hattie E. Thomas	do	do . . . . .	... . . . .	600	600	... . . . .	... . . . .	... . . . .	... . . . .

Christenra Timm	do	Sept. 20, 1897	Dec. 19, 1897
Josephine C. Tully	do	Jan. 3, 1898	do
Katherine Tully	do	Mar. 1, 1895	do
Mildred E. Wadlers	do	Nov. 24, 1896	do
Katherine Welland	do	Dec. 17, 1894	do
Carrie Wells	do	Dec. 18, 1893	do
Clara Wertha	do	Sept. 1, 1891	do
Lacy Wilson	do	Sept. 24, 1897	Dec. 23, 1897
Laura S. Wright	do	Aug. 1, 1894	do
Bertha L. Diller	do	Sept. 1, 1893	do
Catherine C. Burke	do	do	do
Sarah A. Ingram	do	Apr. 11, 1898	Jan. 31, 1898
Maud S. Armstrong	do	Apr. 6, 1898	do
Gertrude M. Barry	do	do	do
Estella C. Bonds	do	do	do
Estelle G. Davis	do	do	do
Elizabeth M. Donegan	do	do	do
Rosanna McDowell	do	do	do
Annie Lynch	do	Mar. 1, 1898	do
Selena Hosken	do	May 29, 1896	do
Ida Jacobus	do	Sept. 14, 1896	do
Lillie Watkins	do	July 2, 1897	do
W.S. Devoe	do	do	do
Galian & Byrte	do	do	do
Dennison Manufacturing Co	do	do	do
The Office Toilet Supply Co	do	do	do
The Consumers' Co.	do	do	do
J. Haberle	do	do	do
James C. Holmes	do	do	do
G. A. Shuster	do	do	do
David Swanson	do	do	do
Chas. O. Brockway	do	do	do
The Grant Manufacturing Co.	do	do	do
C. H. Hanson	do	do	do
The Fair	do	do	do
Janes Stewart	do	do	do
J. Anderson	do	do	do
Armour & Co.	do	do	do
A.M. Rothschild & Co.	do	do	do
John Schroeder	do	do	do
J.S. Ford, Johnson & Co.	do	do	do
Chicago Store and Office	do	do	do
Fixture Co.	do	do	do
Cleary Bros.	do	do	do
Charles Battig	do	do	do
Chicago Car Seal and Manufacturing Co.	do	do	do
146.82	600	600	600
248.90	600	600	600
537.99	600	600	600
581.70	600	600	600
590.27	600	600	600
447.43	600	600	600
565.57	600	600	600
146.82	600	600	600
543.95	600	600	600
142.95	600	600	600
24.46	600	600	600
111.99	600	600	600
93.86	600	600	600
93.86	600	600	600
93.86	600	600	600
93.86	600	600	600
92.31	600	600	600
97.15	600	600	600
111.00	600	600	600
360.00	600	600	600
240.00	600	600	600
359.03	600	600	600
Office supplies.	do	do	do
Office rent.	do	do	do
Duplicate tags.	do	do	do
Towel supply.	do	do	do
Ice.	do	do	do
Repairing lock boxes.	do	do	do
Printing notice cards.	do	do	do
Hampers, casters, tumblers.	do	do	do
Sharpening and repairing scissors.	do	do	do
Export stamps.	do	do	do
Lead disks.	do	do	do
Brass stencil plates, etc.	do	do	do
Willow hampers.	do	do	do
Casters and labor.	do	do	do
Repairing and sharpening scissors.	do	do	do
Tin covers for notice cards.	do	do	do
Enamelled cloth.	do	do	do
Lanterns.	do	do	do
Oak revolving chairs.	do	do	do
Oak tables.	do	do	do
Hire horse and wagon.	do	do	do
Photographing and printing.	do	do	do
Lead disks.	do	do	do

a Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.	
				Per diem.	Per annum.	Miscellaneous items.	Salaries.
MEAT INSPECTION.							
Kansas City.	Inspector	June 15, 1897	June 15, 1897	... \$1,400	... \$1,400	\$1,450.00	
Sam'l. E. Bennett	do	Apr. 1, 1898	do	1,600	1,600	1,388.59	
S. L. Brookings	do	Nov. 15, 1893	do	1,400	1,400	1,400.00	
C. H. Davies	do	Sept. 18, 1891	do	1,400	1,400	294.07	
Jas. T. Stuart	do	Sept. 1, 1893	do	1,400	1,400	496.70	\$2.60
Harry B. Adair	Assistant inspector	Oct. 1, 1896	do	1,200	1,200	626.73	
Leslio J. Allen	do	Aug. 11, 1896	do	1,200	1,200	423.30	
Biehd J. Blanche	do	Feb. 23, 1898	do	1,200	1,200	403.30	
Jno. S. Buckley	do	Mar. 1, 1898	do	1,200	1,200	466.63	
Thos. W. Carnachan	do	Feb. 10, 1898	do	1,200	1,200	1,153.97	
W. Ross Cooper	do	Jan. 25, 1897	do	1,200	1,200	300.00	
Chas. H. Canfield	do	Apr. 1, 1898	do	1,200	1,200	400.00	
H. B. Chaney	do	do	do	1,200	1,200	423.30	
David P. Frame	do	Feb. 10, 1898	Feb. 25, 1898	1,200	1,200	296.70	
Harrison H. George	do	Feb. 23, 1898	do	1,200	1,200	498.90	
Peter I. Korshner	do	Feb. 3, 1897	do	1,200	1,200	796.66	
Edw. P. Schaffter	do	July 15, 1896	do	1,200	1,200	617.31	
do	Assistant inspector	Dec. 1, 1897	do	1,400	1,400	896.70	
Wm. A. Heck	do	Apr. 15, 1897	do	1,200	1,200	1,200.00	
Fred. W. Hopkins	do	Feb. 15, 1896	do	1,200	1,200	1,193.40	
Geo. A. Johnson	do	Apr. 1, 1897	do	1,200	1,200	6.67	
Benj. F. Kaupp	do	Feb. 10, 1896	do	1,200	1,200	296.70	
Jno. Cooper Miners	do	Oct. 1, 1896	do	1,200	1,200	1,193.40	
Jno. R. Mitchell	do	Feb. 1, 1898	Feb. 3, 1898	1,200	1,200	600.00	
R. C. McCurdy	do	Apr. 1, 1898	do	1,200	1,200	900.00	
Don W. Paxton	do	Oct. 1, 1896	do	1,200	1,200	892.68	
Rice P. Steddom	do	Apr. 1, 1897	do	1,200	1,200	627.50	
Charles Actans	Stock examiner	May 1, 1896	do	900	900	900	9.01
E. W. Bell	do	do	do	900	900	900	
C. E. Blackmar	do	Feb. 1, 1898	do	900	900	372.50	
H. J. Blackwell	do	Jan. 1, 1894	do	900	900	774.70	
Chas. A. Brown	do	June 1, 1895	do	900	900	900	
Wm. Burgess	do	May 1, 1896	do	900	900	900	
Frank Cannon	do	Apr. 1, 1894	do	900	900	900	
Geo. L. Cathel	do	Feb. 12, 1894	do	900	900	900	
Jno. Colgan	do	May 1, 1896	do	900	900	900	
		Dec. 20, 1897					75.80

N. J. Connor	do	do	75.80
J. D. Cooper	do	do	897.57
Josiah D. Flora	do	do	900.00
Geo. A. Franklin	do	do	900.00
Harry D. Freeman	do	do	900.00
Wm. Gano	do	do	900.00
S. W. Washington	Gobbie	do	900.00
R. E. L. Jackson	do	do	897.50
J. A. Liggett	do	do	900.00
Jno. L. Lohb	do	do	870.07
M. J. Madden	do	do	897.50
H. L. McDonald	do	do	900.00
Porter Morgan	do	do	900.00
J. G. Remie	do	do	900.00
J. H. Richardson	do	do	330.16
Sam'l. W. Smithson	do	do	900.00
B. L. Stine	do	do	900.00
A. E. Wagner	do	do	900.00
W. N. West	do	do	380.73
John Conlon	Clerk	do	900.00
C. H. Morse	do	do	73.27
L. N. Vance	do	do	897.58
Hiram G. Horrific	do	do	885.34
C. E. Blackmar	Tagger	do	805.12
Oliver W. Byrd	do	do	226.33
Bernd Cunningham	do	do	353.63
Jas. De Goler	do	do	599.30
Robt. Fleming	do	do	712.01
Albert Fowlkes, Sr.	do	do	702.00
Wm. B. Garlick	do	do	60.60
H. B. Gooch	do	do	622.28
Wm. J. Hardcastle	do	do	639.40
A. J. Henley	do	do	56.74
David Hunt	do	do	454.94
August Jost	do	do	404.24
Harrison H. Knox	do	do	719.92
B. E. Laird	do	do	720.00
Wm. J. Madlock	do	do	651.68
T. A. McLeland	do	do	651.68
Henry Morley	do	do	297.34
Clayton E. Moss	do	do	86.03
Henry A. Niles	do	do	718.10
Daniel S. Platt	do	do	720.00
J. W. Shannon	do	do	275.96
Jas. H. Stalford	do	do	657.50
James M. Steel	do	do	340.00
Nelson E. Weaver	do	do	201.52
Sampson Wright	do	do	2.00
Robt. J. Carter	do	do	32.00
James Murray	do	do	\$21.43
S. L. Brooking	do	do	14.85
Office expenses			Office expenses

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

MICROSCOPIC INSPECTION.

Kansas City.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Compensation.		Disbursements.		
				Per annum.	Per diem.	Miscellaneous items.	Salaries.	Travel- ing.
MICROSCOPIC INSPECTION— continued.								
<i>Kansas City—Continued.</i>								
May B. Stearns	Assistant microscopist	Aug. 20, 1897	\$600			\$480.58		
Emma L. Torrence	do	Sept. 1, 1893	600			586.87		
Jennie Timstall	do	Sept. 1, 1893	600			591.92		
Clara M. Waldo	do	Feb. 7, 1898	600			236.67		
Jennie B. Wherrel	do	Feb. 1, 1898	600			248.30		
Cora L. Williams	do	Jan. 10, 1898	600			281.57		
Marion Williams	do	Sept. 1, 1893	600			559.22		
Fannie B. Woodson	do	Oct. 1, 1893	600			543.92		
Martha L. Wisdom	do	do	600			385.03		
Emma M. Wyatt	do	Aug. 1, 1892	600			591.89		
Ida Belle Martin	do	Nov. 15, 1893	600			171.75		
Stella Sweet	do	June 16, 1893	600			175.00		
E. E. Bennett					Office expenses	\$3.89		
S. L. Frookling					do	3.30		
C. W. Tourtellot					Office rent	540.00		
R. S. McCarry					Towel supply	115.27		
<i>Silver Laundry and Towel Co.</i>								
A. Holzmark					Rubber chair tips	1.95		
A. Klein					Whale oil and white soap	7.45		
A. O. Shoelizing					Gasoline, mops, and brooms	6.25		
Dennison Manufacturing Co.					Duplicate checks	18.00		
<i>Thomas Manufacturing Co.— Peter McClellan</i>								
John Doggett					Meat hooks	6.25		
J. W. Timmer					Repairing lock boxes	2.00		
James Snillman					Oilcloth	4.20		
Wyandotte Gas Co.					Gasoline, boiler, knives, etc.	24.60		
W. A. Griswold					Coal	34.50		
Thomas Manufacturing Co.— Chicago Car Seal and Man- ufacturing Co.					Gas	23.26		
Goodyear Rubber Co.					Ivory and whale oil soap	11.75		
Doggett Dry Goods Co.					Meat hooks	7.81		
					Tin sample boxes	2.20		
					Chair tips	3.84		
					Oilcloth	4.80		

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end- ed.	Disbursements.					
				Compensation. Por dion.	Per annum.	Miscellaneous items.	Salaries.	Travel- ing.	Miscel- laneous.
MICROSCOPIC INSPECTION.									
<i>Milwaukee, Ws.</i>									
John R. Mohler	Assistant inspector	Feb. 1, 1897	June 1, 1893	\$1,200			\$824.98	\$11.12	
Clara Finch	Assistant microscopist	Sept. 24, 1897	Mar. 24, 1898	500			534.24		
Ida M. Butler	do	Jan. 2, 1895	Sept. 22, 1897	600			270.28		
Martha Cannon	do	Jan. 3, 1898	do	600			128.76		
Ella M. Caldwell	do	Jan. 24, 1898	Apr. 23, 1898	600			250.51		
Anna L. Carter	do	Nov. 1, 1894	do	600			147.84		
Louise Panst	do	Sept. 1, 1897	Dec. 30, 1897	600			572.19		
Alice B. Fellows	do	Apr. 25, 1898	do	600			11.41		
M. Myrtle Maynard	do	Feb. 25, 1898	do	600			70.88		
Emma C. Fogo	do	Aug. 26, 1891	do	600			191.84		
Mary Gorman	do	Dec. 19, 1897	do	600			505.42	4.00	
Mae B. Joslin	do	Jan. 3, 1898	do	600			492.44		
Frankie E. Kelly	do	Dec. 24, 1897	May 11, 1898	600			283.56		
Gertrude Kemper	do	Aug. 26, 1891	do	600			109.74		
Louisa L. Kemper	do	Feb. 21, 1898	do	600			542.08		
Barrett F. King	do	Jan. 16, 1893	Feb. 15, 1898	600			175.47		
Clara L. Kloss	do	May 1, 1894	do	600			336.64		
Matic Kneeland	do	Apr. 25, 1898	do	600			577.08		
Ida M. E. Scholz	do	Sept. 7, 1897	do	600			72.53		
Anastasia Lawrence	do	Dec. 26, 1894	Apr. 4, 1898	600			268.52		
Annie M. Leberman	do	Dec. 15, 1894	do	600			448.51		
Josephine A. Lyon	do	Oct. 25, 1897	do	600			588.66		
Pearl N. Maynard	do	Feb. 16, 1895	do	600			363.95		
Mary McShane	do	Jan. 24, 1898	Apr. 23, 1898	600			495.60	4.50	
Jennie Morton	do	Jan. 6, 1898	do	600			147.94		
Maggie Murphy	do	Oct. 25, 1897	do	600			250.46		
Sue Nichols	do	June 18, 1894	June 30, 1898	600			391.11		
Mattie O'Brien	do	Jan. 24, 1898	Apr. 23, 1898	600			532.33		
Elizabeth A. Ryan	do	Sept. 15, 1891	do	600			1.67		
Hattie Schultz	do	Jan. 3, 1898	do	600			560.80	3.75	
Ella Schwahn	do	Feb. 16, 1895	do	600			257.19		
Mary Somers	do	Jan. 10, 1898	do	600			493.83	4.50	
Nellie E. Somers	do	Feb. 16, 1895	do	600			247.11		
May Sommarg	do	Jan. 10, 1898	do	600			542.62		
Theckla E. Sonntag	do	Jan. 24, 1898	do	600			247.11		
Mario J. Ward	do	Jan. 24, 1898	do	600			246.84		

Elba E. Whittaker	do	Jan. 1, 1898	600	600	260.49
Anna Zimmerman	do	Feb. 16, 1895	566.93	566.93	
May M. Sheldon	do	Apr. 25, 1898	600	600	67.53
Sylvia M. Whittaker	do	do	600	600	65.93
Edna L. Willis	do	do	600	600	72.53
Albert E. Behnke	do	Towels, cleaning office, etc.			\$203.48
Chicago Can Seal and Manufacturing Co.		Round tin boxes			2.00
The Chicago and Alton R. R. Co.		Tag fasteners			6.25
MEAT INSPECTION.					
Indianapolis, Ind.					
Thomas J. Turner	Inspector	Jan. 1, 1897	1,400	1,380.77	
T. L. Armstrong	do	May 1, 1897	1,400	1,292.15	
Robt. Darling	Assistant inspector	Dec. 13, 1897	1,200	661.96	
Wm. H. Netherland	do	Jan. 25, 1897	1,200	173.36	
Sam'l. G. Hendren	do	Mar. 4, 1898	1,200	373.33	
Frederk. T. Dolan	do	Apr. 1, 1898	1,200	300.00	
Willis B. Lincoln	do	Apr. 11, 1898	1,200	267.03	
Richd. W. Tuck	do	Apr. 18, 1898	1,200	243.96	
Geo. S. Jones	Clerk	Mar. 10, 1898	840	261.33	
Martin P. Grady	do	June 12, 1894	720	675.91	
Jacob Fox	Stock examiner	Jan. 1, 1894	900	900.00	
W. M. Hicklin	do	Apr. 16, 1894	900	602.50	
Geo. W. Koontz	do	Feb. 19, 1894	900	900.00	
Jas. W. Wampler	do	Jan. 1, 1894	900	882.61	
Wm. L. Pegg	do	do	900	744.47	
Do	Tagger	Mar. 1, 1898	720	720	
Chas. Bartholomew	do	May 15, 1898			
Park. Kilien	do	Nov. 11, 1895	720	696.57	
Matthew Quinn	do	Nov. 8, 1894	720	486.27	
Wm. A. Skinner	do	Apr. 16, 1893	720	715.98	
Jas. L. Gerrish	do	Nov. 18, 1895	720	712.12	
Charles Stark	do	Apr. 11, 1898	720	39.56	
Wm. Woldt	do	May 2, 1898	720	93.93	
T. J. Turner	do	Feb. 28, 1898	720	140.00	
E. J. Brooks & Co.		May 19, 1898	\$2.00	Expressage and ink	8.20
Belt R. R. and Stockyard Co.				Lead seals and wires	42.50
Chas. O. Brockway				"Condemned" tags	125.25
Thomas Castor				Traveling expenses	4.20
Central Union Telephone Co.				Telephone	22.50
					21.29

MEAT INSPECTION.

New York, N. Y.

R. W. Hickman	Veterinary inspector	Sept. 1, 1893	2,000	2,000.00
John B. Hopper	Inspector	Aug. 1, 1897	1,400	1,222.61
Do	Assistant inspector	Mar. 15, 1898	1,200	
Jas. H. Fersier	Veterinary inspector	Apr. 15, 1891	1,400	1,400.00
Do	Assistant inspector	Oct. 1, 1896	1,200	1,200.00
Louis P. Cook	do	May 1, 1896	1,200	1,200.00
Wilbur J. Murphy	do	Dec. 2, 1895	1,200	1,200.00
E. A. Parsons	do	Feb. 15, 1894	1,200	1,200.00
Wm. J. Reagan	do	Jan. 1, 1896	1,200	1,200.00
W. A. Willard	Clerk	Sept. 1, 1893	1,200	1,200.00
Eph. Dietrich	do	May 1, 1896	900	900.00
Hiram Jerome	Stock examiner	Oct. 12, 1897	900	648.11
Theo. Kanter	do	Nov. 11, 1895	900	900.00
Henry Schaner	do	Dec. 9, 1895	900	900.00
Geo. A. Sheldon	do	Feb. 1, 1896	900	900.00
J. F. Butterfas	Tagger	Mar. 2, 1896	720	720.00
Wallace M. Gill	do	June 29, 1896	720	720.00
Frank J. Gilmore	do	Feb. 1, 1896	720	352.00
Fred. J. Goebel	do	Sept. 7, 1891	720	720.00
Jno. J. Haggerty	do	Mar. 2, 1896	720	720.00
Wm. N. Hutchinson	do	Nov. 24, 1896	720	720.00
John F. Luepke	do	May 23, 1895	720	720.00
Sam'l. E. Lusk	do	Nov. 24, 1896	720	180.00
Wm. H. Molineux	do	Oct. 2, 1897	720	720.00
Henry Schopp	do	Jan. 8, 1896	720	720.00
Stephen A. Selby	do	Sept. 15, 1893	720	720.00
Howard W. Thomas	do	Dec. 2, 1895	720	720.00
G. Maurice Lachman	do	May 7, 1897	720	652.82
Alexanderina Diok	Janitress	June 1, 1898	720	59.30
R. W. Hickman	do	May 29, 1896	720	46.67
F. J. Gilmore	do	Nov. 30, 1897	10.00	17.04
John Broderick	do			16.86
B. H. Adams	do			64.87
New York Telephone Co	do			294.67
The Edison Electric Illuminating Co. of New York	do			154.20
Moquin Offerman	do			6.00
Heissenbuttel Coal Co	do			2.50
Portland, Me	Inspector	June 1, 1896	1,200	500.00

a. Per month.

21.00
5.00

Chas. O. Brockway The Grant Manufacturing Co.	MEAT INSPECTION.		Export tags Lead discs.....
	<i>Somerville, Mass.</i>		
Wm. W. Balmer.....	Inspector	Nov. 20, 1883	1,200
Edw. P. Dowd.....	Assistant inspector	Sept. 16, 1885	1,200
Jno. V. Laddey.....	do	Mar. 1, 1888	1,200
Alf. F. Mathews.....	do	do	1,200
H. Q. Thompson.....	do	do	1,200
Wm. H. Way.....	do	do	1,200
Wm. P. Chorlton.....	Stock examiner	Feb. 23, 1888	1,200
Philip J. Fanning.....	do	June 30, 1888	1,200
Frank N. Brown.....	Tagger	Feb. 1, 1890	900
Henry W. Busted.....	do	Jan. 8, 1890	720
Frank R. Favel.....	do	Feb. 1, 1890	720
Wm. J. Corbett.....	do	Oct. 1, 1890	720
Jas. G. Jeffrey.....	do	Feb. 1, 1890	720
Cyrus K. Small.....	do	Feb. 1, 1890	720
Wm. H. Tozier.....	do	Jan. 8, 1890	720
Geo. D. Warner.....	do	Dec. 21, 1890	720
Danl. D. Lee.....	do	Nov. 18, 1895	720
Chas. O. Brockway.....	do	do	720
Butchers' Slaughtering and Melting Association.....	do	do	720
		Stationery, express, and postage stamps.	4.65
		Interstate meat inspection stamps.	126.00
		Breeding office for inspector.....	178.00
	<i>Somerville, Mass.</i>		
Charles Bullard.....	Microscopist	Oct. 1, 1894	1,400
Morris Wooden.....	Assistant inspector	Sept. 16, 1895	1,200
Do.....	do	do	1,200
Louis K. Green.....	Inspector	Apr. 1, 1898	1,400
Wm. P. Chorlton.....	Assistant inspector	Oct. 1, 1896	1,200
Frank N. Brown.....	Stock examiner	Dec. 1, 1894	1,200
Henry W. Busted.....	Tagger	Jan. 8, 1896	720
Frank H. Bantleigh.....	do	Feb. 1, 1896	720
Kate A. Abbott.....	do	Sept. 28, 1891	720
Eva M. Chickering.....	Assistant microscopist	Apr. 23, 1894	600
Gerta M. Colby.....	do	Nov. 24, 1896	600
Lucilla M. Eaton.....	do	June 1, 1894	600
Gentriude H. Ellison.....	do	Feb. 1, 1898	600
		Nov. 24, 1896	600
		May 31, 1898	600
			972.18
			496.63
			46.20

at Per month.

SALARIES AND EXPENSES—Continued.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

Dennison Manufacturing Co.	Manufacturing	18.00	Duplicate tags.	2.06
Chas. O. Brockway	Manufacturing	4.20	Export stamps	1,400
Chicago Car Seal and Manufacturing Co.		4.00	Round, tin sample boxes	1,200
	MEAT INSPECTION.			
	<i>Cleveland, Ohio.</i>			
Edw. P. Schaffer	Inspector.	Dec. 1, 1897		817.90
James T. Stuart	do	Sept. 1, 1893		1,038.66
Do	Assistant Inspector	1,400		1,400
John J. Crowley	Tagger	Mar. 1, 1893		1,200
Simon Kacher	do	Nov. 6, 1893		720
John D. Shumpton	do	July 1, 1893		720
Louis N. Stumpf	do	Nov. 6, 1893		720
Dennison Manufacturing Co.	do	June 16, 1893		720
E. J. Brooks & Co			Ment.-inspection stamps	720.00
The Wabash R. R. Co.			Lead seals and wires.	21.00
			Transportation, J. T. Stuart.	21.00
	MICROSCOPIC INSPECTION.			
	<i>Cleveland, Ohio.</i>			
Frank File	Tagger	Sept. 25, 1893		720
Margaret Carroll	Assistant microscopist	Oct. 22, 1894		600
Manie L. Corcoran	do	Dec. 15, 1897		600
Alice M. Daugherty	do	Oct. 22, 1894		600
Mary English	do	July 1, 1893		600
Mary Evans	do	Nov. 1, 1894		600
Minnie Forsch	do	July 1, 1893		600
Elizabeth C. Gibson	do	July 24, 1895		600
Mary Reinhart	do	Sept. 1, 1893		600
Belle Ritter	do	Dec. 1, 1894		600
Isabella Laco	Janiress and box cleaner	May 29, 1896		600
Do	do	Dec. 1, 1897		600
James T. Stuart	Laborer		@ \$30.00	360.00
Edw. P. Schaffer			Expressage and office supplies.	2.25
Dennison Manufacturing Co.			Office supplies.	1.45
	MEAT INSPECTION.		Duplicate tags.	9.00
	<i>Cincinnati, Ohio.</i>			
A. G. G. Richardson	Inspector.	July 1, 1896		906.16
Robt. L. Kelly	Assistant inspector	Sept. 7, 1897		478.26
Chas. H. Zink	do	June 1, 1896		387.18
				15.00

a Per. month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end-ed.	Compensation:		Salaries,	Travel-ing.	Miscel-lanous.						
				Per diem.	For num-ber.									
MEAT INSPECTION—cont'd.														
<i>Cincinnati, Ohio—Cont'd.</i>														
Wm. H. Netherland	Assistant inspector	Jan. 25, 1897	Jan. 3, 1898	\$1,200	.....	.....	.....	.....		
Albert J. Payne .....	.....	June 1, 1895	.....	1,200	.....	.....	.....	.....		
A. L. Hirloman	Stock examiner	Mar. 10, 1896	.....	900	.....	.....	.....	.....		
Robt. A. Broadhurst	Tagger	Jan. 1, 1896	.....	720	.....	.....	.....	.....		
Edw. G. Carlo .....	.....	Oct. 1, 1896	.....	720	.....	.....	.....	.....		
Patk. E. Quinn .....	.....	Nov. 11, 1895	.....	720	.....	.....	.....	.....		
Chas. Pearson .....	.....	June 15, 1898	.....	720	.....	.....	.....	.....		
Chas. O. Brockway .....	.....	.....	.....	720	.....	.....	.....	.....		
E. J. Brooks & Co .....	.....	.....	.....	720	.....	.....	.....	.....		
Microscopic Inspection.														
<i>Cincinnati, Ohio.</i>														
Carrie Eitlers	Assistant microscopist	Feb. 16, 1898	.....	600	.....	.....	.....	.....		
Albert J. Payne .....	.....	.....	.....	600	.....	.....	.....	.....		
MEAT INSPECTION.														
<i>Lincoln, N. H.</i>														
W. D. Robbins	Inspector	Jan. 4, 1894	.....	1,200	.....	.....	.....	.....		
John B. Hart .....	.....	Oct. 15, 1897	.....	720	.....	.....	.....	.....		
John P. Higgins	Tagger	Mar. 1, 1895	July 31, 1897	720	.....	.....	.....	.....		
John T. Blair .....	.....	.....	.....	720	.....	.....	.....	.....		
Hardy Poultry Co .....	.....	Jan. 3, 1898	.....	720	.....	.....	.....	.....		
<i>Nebraska City.</i>														
W. H. Gibbs	Inspector	Sept. 1, 1893	.....	1,200	.....	.....	.....	.....		
Geo. M. Thomas	Stock examiner	July 1, 1896	.....	900	.....	.....	.....	.....		
Alfred Day	Tagger	Dec. 10, 1895	.....	720	.....	.....	.....	.....		
P. A. Dammann .....	.....	.....	.....	720	.....	.....	.....	.....		

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end-ed.	Compensation.		Miscella-neous items.	Salaries.	Travel-ing.	Disbursements.	Miscel-laneous.
				Per diem.	Per annum.					
Phelps Paine.	Clerk.	June 1, 1897	\$900	\$860.	53					
Jay E. Whiting.	do.	Mar. 10, 1898	840	249.	63					
Chas. S. Dickey.	do.	do	840	171.	30					
D. J. Campbell.	Stock examiner.	June 1, 1893	900	75.	80					
J. W. Davis.	do.	Feb. 12, 1898	900	900.	00					
Leo H. Guy.	do.	Jan. 1, 1891	900	75.	80					
W. K. Jacobs.	do.	Nov. 30, 1897	900	890.	14					
Frank Jelen.	do.	June 27, 1895	900	897.	57					
George Kanth.	do.	Apr. 1, 1895	900	848.	03					
Thos. J. Lowrey.	do.	June 26, 1895	900	900.	00					
Ray Merrill.	do.	Mar. 25, 1895	900	900.	00					
Frank G. Patrick.	do.	Jan. 1, 1894	900	900.	00					
Jacob L. Payne.	do.	do	900	900.	00					
J. J. Alexander.	Trigger.	Aug. 1, 1897	900	895.	03					
Jacob Burkard.	do.	May 16, 1893	720	649.	67					
Joseph Butler.	do.	Sept. 30, 1897	720	720.	00					
Paul Butler.	do.	Nov. 5, 1897	720	105.	66					
Dee N. Chase.	do.	do	720	11.	74					
Janes Condon.	do.	June 27, 1895	720	706.	10					
W. W. Crandall.	do.	Aug. 4, 1897	720	645.	66					
Elias Gilmore.	do.	June 1, 1897	720	716.	10					
John E. Hart.	do.	Aug. 1, 1897	720	655.	54					
Anton Kostal.	do.	Feb. 16, 1898	720	278.	00					
Janes Kunes.	do.	Oct. 15, 1897	720	350.	44					
Russell G. Merrill.	do.	John 16, 1893	720	718.	10					
Thomas Leddy.	do.	June 10, 1898	720	224.	76					
R. M. Mahana.	do.	Feb. 15, 1895	720	41.	54					
John McCann.	do.	June 1, 1893	720	706.	26					
Jas. D. Murphy.	do.	June 27, 1895	720	720.	00					
Chas. H. McCormick.	do.	June 1, 1895	720	717.	94					
Geo. B. Payton.	do.	Feb. 12, 1898	720	60.	60					
Stephen Roberts.	do.	June 6, 1898	720	43.	52					
Jos. T. Robertson.	do.	July 16, 1897	720	690.	70					
L. Schibus.	do.	Aug. 16, 1897	720	630.	10					
Harry A. Shatzell.	do.	Nov. 1, 1897	720	461.	55					
do.	do.	do	720	712.	00					
do.	do.	do	720	618.	68					

Peter W. Sherlock.....	do	Mar. 25, 1895	Feb. 12, 1898	720	60.60
Wm. H. Saunders.....	do	Apr. 11, 1898	.....	720	152.35
Philip Smith.....	do	May 22, 1893	.....	720	715.98
Sam'l. L. Valentine.....	do	Oct. 16, 1894	.....	720	226.00
Chris. M. Raff.....	do	Mar. 9, 1898	.....	720	180.00
Henry C. Williams.....	do	Apr. 1, 1898	.....	720	216.70
John T. Blair.....	do	Jan. 3, 1898	.....	720	474.00
J. O. Eastman.....	do	July 1, 1897	.....	400.00	\$3.00
Geo. S. Hickox.....	do	Nov. 9, 1897	.....	400.00	400.00
D. R. Way.....	do	June 21, 1897	.....	128.00	4.12
Packers' National Bank.....	do .....	.....	.....	308.23	308.23
Evans' Laundry Co.....	do .....	.....	.....	11.90	11.90
55 Nebraska Telephone Co.....	do .....	.....	.....	3.50	3.50
Omaha Printing Co.....	do .....	.....	.....	850.00	850.00
Chas. O. Brockway.....	do .....	.....	.....	2.25	2.25
Wm. E. Pratt.....	do .....	.....	.....	3.00	3.00
Luis Berger.....	do .....	.....	.....	5.00	5.00
Carter Hardware Co.....	do .....	.....	.....	2.93	2.93
E. J. Brooks & Co.....	do .....	.....	.....	.....	.....
American Express Co.....	do .....	.....	.....	.....	.....
N. J. Woodward.....	do .....	.....	.....	.....	.....
M. Donovan.....	do .....	.....	.....	.....	.....
The Chicago, Burlington and Quincy R. R. Co.....	do .....	.....	.....	.....	.....
<i>Bloomington, Ill.</i>					
Fredk. Braginton.....	Inspector	May 16, 1893	.....	1,400	319.22
Chas. Vandervoort.....	Tagger	do .....	.....	720	144.44
<i>MICROSCOPIC INSPECTION.</i>					
<i>South Omaha, Nebr.</i>					
Lowell Clarke.....	Assistant inspector	Nov. 1, 1895	.....	1,200	1,147.32
Sarah H. Y. Barber.....	do	Aug. 20, 1897	.....	600	492.20
Maud B. Beck.....	do	Feb. 10, 1898	.....	600	208.60
Mary G. Bothwell.....	do	Dec. 20, 1897	.....	600	293.10
Louise Breerton.....	do	Sept. 1, 1897	.....	600	497.40
Daisy M. Bryant.....	do	Dec. 20, 1897	.....	600	200.27
Ida E. Bushnell.....	do	May 16, 1893	.....	600	545.97
Nellie M. Dennis.....	do	Jan. 5, 1895	.....	600	563.74
Carrie Ehlers.....	do	Feb. 16, 1898	.....	600	173.87
Maggie Fahey.....	do	Jan. 5, 1895	Apr. 30, 1898	600	468.37
Mary K. Giblin.....	do	Juno 16, 1893	.....	600	549.13
Lulu E. Gibson.....	do	Sept. 1, 1896	.....	600	513.84
Margaret Hogan.....	do	June 16, 1893	.....	600	534.47
Stella Huestis.....	do	Dec. 20, 1897	.....	600	294.80
Etta Kassell.....	do	June 16, 1893	.....	600	568.70
Mary Kilbourne.....	do	Aug. 20, 1897	.....	600	513.59
Mary Madden.....	do	Dec. 19, 1897	.....	600	195.74
Gertrude McCulloh.....	do	do	do	do	470.79

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

or Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end-ed.	Compensation.		Disbursements.		Travel-ing.	Miscel-laneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
MICROSCOPIC INSPECTION—continued.									
<i>East St. Louis, Ill.—Cont'd.</i>									
Louise M. Lorey	Assistant microscopist	Mar. 10, 1898							
Ruby L. Newkirk	do	June 9, 1898							
Manie Pauly	do	do							
L. S. Ronquier	do	do							
Martha Schnell	do	June 10, 1898							
Reita Underanger	do	Mar. 10, 1898							
Henrietta M. Vest	do	do							
Manie Wood	do	do							
Orville H. Banks	Laborer	Mar. 26, 1898							
J. J. Brougham									
St. Louis Natl. Stock Yards Scarriff-Comstock Furni-ture Co.									
R. B. Gray, China Co.									
The Chicago and Alton R. R. Co.									
W. J. Legreffe & Son									
MEAT INSPECTION.									
<i>Hammond, Ind.</i>									
Lewis R. Baker	Veterinary inspector	Sept. 1, 1898							
Fredt. Bragmton	Inspector	do							
Henry J. Hancock	Assistant inspector	May 16, 1898							
P. J. Golden	Stock examiner	Apr. 8, 1898							
J. J. Molloy	do	Apr. 1, 1896							
Jno. J. Young	do	Apr. 1, 1896							
Thos. Hansen	Tagger	June 27, 1895							
F. P. Herron	do	Dec. 1, 1893							
Jacob Leismann	do	May 16, 1893							
John Summers	do	May 16, 1893							
W. H. Timmons	do	do							
Chas. Vandervoort	do	do							

Henry Wagner	do	June 22, 1891	720	
Walter Walsh	do	May 16, 1893	720	
Jas. L. Gerrish	do	720		720.00
Chas. O. Brockway	do	120.70		42.00
Dennison Manufacturing Co.				
E. J. Brooks & Co.				
South St. Paul, Minn.				
Archibald McBride	Assistant inspector	June 8, 1896	1,200	
M. O. Anderson	do	Mar. 9, 1898	1,200	
Chas. Keane	do	Dec. 1, 1897	1,200	
Clarence Lovelberry	do	Feb. 7, 1898	1,200	
Thos. M. Libby	Stock examiner	Oct. 1, 1895	900	
Jno. Jacobson	Tagger	Feb. 15, 1895	720	
Harry S. Newlove	do	Jan. 1, 1897	720	
E. J. Brooks & Co.				
Louisville, Ky.				
Niels C. Sorensen	Assistant inspector	July 15, 1895	1,200	
Do	Inspector	Apr. 1, 1898	1,400	
Albert J. Payne	Assistant inspector	June 1, 1895	1,200	
Arthur H. Bibb	Stock examiner	May 1, 1896	900	
Frank Cannon	do	Apr. 1, 1894	900	
Herbert M. Smith	do	Aug. 19, 1897	900	
Hogans Gaines	Tagger	Apr. 1, 1898	720	
Chas. O. Brockway	do			
Saint Louis, Iowa				
Wm. Thompson	Assistant inspector	Nov. 19, 1894	1,200	
Do	Inspector	Apr. 1, 1898	1,400	
Geo. A. Johnson	Assistant inspector	Apr. 1, 1897	1,200	
Geo. W. Clark	Clerk	Mar. 1, 1898	900	
W. B. Griggs	Stock examiner	Mar. 1, 1895	900	
Donald McDonald	do	Feb. 1, 1896	900	
Wm. B. Treadaway	do	Jan. 1, 1894	900	
Chas. J. Chamberlain	Tagger	Mar. 1, 1894	720	
D. A. Winnie	do	Apr. 17, 1893	720	
Thos. G. Covell	do	May 9, 1898	720	
Jas. Ferguson	Laborer	Feb. 9, 1898	2.00	
Henry D. Osborne	do	Mar. 21, 1898	2.00	
Iowa Telephone Co.				

Telephone rental

^a Per month.

24.00

June 22, 1891	720	
May 16, 1893	720	
Apr. 1, 1898	720	
do	120.70	
Interstate meat inspection stamps.		
Meat-inspection tags		
Lead seals and wires		

June 8, 1896	1,200	
Mar. 9, 1898	1,200	
Dec. 1, 1897	1,200	
Feb. 7, 1898	1,200	
Oct. 1, 1895	900	
Feb. 15, 1895	720	
Jan. 1, 1897	720	
Lead seals and wires		

June 15, 1895	1,200	
Apr. 1, 1898	1,400	
June 1, 1895	1,200	
May 1, 1896	900	
Apr. 1, 1894	900	
Aug. 19, 1897	900	
Apr. 1, 1898	720	
Interstate meat inspection stamps.		

July 15, 1895	1,200	
Apr. 1, 1898	1,400	
June 1, 1895	1,200	
May 1, 1896	900	
Apr. 1, 1894	900	
Aug. 19, 1897	900	
Apr. 1, 1898	720	
Interstate meat inspection stamps.		

July 15, 1895	1,200	
Apr. 1, 1898	1,400	
June 1, 1895	1,200	
May 1, 1896	900	
Apr. 1, 1894	900	
Aug. 19, 1897	900	
Apr. 1, 1898	720	
Interstate meat inspection stamps.		

July 15, 1895	1,200	
Apr. 1, 1898	1,400	
June 1, 1895	1,200	
May 1, 1896	900	
Apr. 1, 1894	900	
Aug. 19, 1897	900	
Apr. 1, 1898	720	
Interstate meat inspection stamps.		

July 15, 1895	1,200	
Apr. 1, 1898	1,400	
June 1, 1895	1,200	
May 1, 1896	900	
Apr. 1, 1894	900	
Aug. 19, 1897	900	
Apr. 1, 1898	720	
Interstate meat inspection stamps.		

July 15, 1895	1,200	
Apr. 1, 1898	1,400	
June 1, 1895	1,200	
May 1, 1896	900	
Apr. 1, 1894	900	
Aug. 19, 1897	900	
Apr. 1, 1898	720	
Interstate meat inspection stamps.		

July 15, 1895	1,200	
Apr. 1, 1898	1,400	
June 1, 1895	1,200	
May 1, 1896	900	
Apr. 1, 1894	900	
Aug. 19, 1897	900	
Apr. 1, 1898	720	
Interstate meat inspection stamps.		

July 15, 1895	1,200	
Apr. 1, 1898	1,400	
June 1, 1895	1,200	
May 1, 1896	900	
Apr. 1, 1894	900	
Aug. 19, 1897	900	
Apr. 1, 1898	720	
Interstate meat inspection stamps.		

List of persons employed and disbursements made during the fiscal year ended June 30, 1893—Continued.

SALARIES AND EXPENSES—Continued.

Chas. O. Brockway	42.00						
Dennison Manufacturing Co.	6.30						
E. J. Brooks & Co	17.00						
MICROSCOPIC INSPECTION.							
<i>Cedar Rapids, Iowa.</i>							
Walter J. Stewart	Assistant inspector	June 15, 1896	1,200	Interstate meat inspection stamps	360.00		
Mary E. Adams	Assistant microscopist	Feb. 16, 1898	600	Meat inspection tags	208.49		
Bethid A. Bailey	do	do	600	Lead seals and wires	213.34		
Ursula P. Bryant	do	do	600		142.56		
M. Ruby Douglas	do	do	600		142.56		
Abbie E. Johnson	do	do	600		142.56		
Pearl E. Listebarger	do	do	600		142.56		
M. Ellen Lucore	do	do	600		140.90		
Leah Maynard	do	do	600		140.90		
Mabel Sprague	do	do	600		127.68		
Edith L. Wolf	do	do	600		127.68		
Martha A. Brittan	do	do	600		203.45		
Fresey Cowan	do	do	600		74.17		
Carolyn M. Hopkins	do	do	600		74.17		
Isabel D. Knox	do	do	600		62.64		
Goldie B. Spafford	do	do	600		46.15		
Mary B. Hartley	do	do	600		72.52		
D. N. Wheeler	Laborer	Mar. 10, 1898	2.00		36.26		
T. A. Shipley					192.00		
F. Macfarlane						66.37	
Jones & Lubberger						15.75	
						12.00	
MEAT INSPECTION.							
<i>Ottumwa, Iowa.</i>							
Joshua Miller	Assistant inspector	Dec. 10, 1895	1,200	Interstate meat inspection stamps	1,200.00		
Abraham Mader	Stock examiner	Jan. 1, 1894	900	Meat inspection tags	890.00		
Llewellyn C. Akin	Tagger	Feb. 1, 1895	720	Lead seals and wires	284.00		
Geo. S. Bliss	do	May 18, 1898	720		85.05		
E. J. Brooks & Co	do					8.50	
MICROSCOPIC INSPECTION.							
<i>Ottumwa, Iowa.</i>							
Walter J. Stewart	Assistant inspector	June 15, 1896	1,200	Interstate meat inspection stamps	16.67		
Fannie Cone	Assistant microscopist	Mar. 9, 1898	600	Meat inspection tags	155.42		
Emma J. Dawson	do	Apr. 1, 1898	600	Lead seals and wires	112.10		
Alice A. Emery	do	Mar. 9, 1898	600		119.09		
Maudie D. Honnan	do	June 8, 1898	600		133.93		
Bertha S. Hunter	do				138.76		

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES.—Continued.

Inez J. Christie.....	do	do	600	88.92
Clara E. Holmes.....	do	do	600	88.92
Mae S. Wall.....	do	do	600	79.12
Maud St. John.....	do	do	600	19.73
Ira K. Ahertron.....	do	do	600	15.39
David C. Wilbur.....	do	do	600	16.15
Louis Hax Furniture Co.....	do	do	600	13.50
MEAT INSPECTION.				
Chas. M. Day.....	Assistant inspector.....	Nov. 19, 1894	1,200	436.97
Geo. Ditewig.....	do	Aug. 11, 1896	1,200	759.60
John Trainer.....	Stock examiner.....	June 27, 1895	900	900.00
Geo. C. Burke.....	do	Jam. 1, 1894	900	900.00
Chicago, Burlington and Quincy R. R. Co.				7.36
San Francisco, Cal.				
Geo. S. Balter.....	Inspector.....	Nov. 1, 1896	1,600	1,600.00
John J. Borden.....	Stock examiner.....	Mar. 2, 1896	900	900.00
John Brown.....	do	do	900	117.18
Ambrose McSweeney.....	do	Feb. 15, 1896	900	872.96
Daniel McSweeney.....	do	Nov. 18, 1895	900	173.30
John E. Munin.....	do	Mar. 1, 1897	900	900.00
John F. Nelson.....	do	Feb. 15, 1896	900	882.86
James A. Riley.....	do	Nov. 10, 1896	900	882.50
Laomer West.....	Clerk.....	June 1, 1896	900	900.00
Thos. N. Badger.....	Tagger.....	Sept. 1, 1896	720	176.14
Frank Brown.....	do	Dec. 7, 1896	720	449.94
Thos. F. Brown.....	do	Mar. 1, 1898	720	153.23
Harry S. Newlove.....	do	Oct. 12, 1896	720	322.82
John H. Webster.....	do	Jan. 1, 1897	720	720.00
Edw. E. Stephens.....	do	Mar. 2, 1896	720	180.00
B. P. Oliver.....	do	Dec. 9, 1896	720	240.00
Pacific Telephone and Telegraph Co.				120.00
Los Angeles, Cal.				
Orlando B. Hess.....	Inspector.....	July 1, 1896	1,400	1,400.00
Wm. R. Dennis.....	Stock examiner.....	Nov. 10, 1896	900	900.00
A. J. O'Rourke.....	do	do	900	900.00
Thos. N. Badger.....	Tagger.....	Sept. 1, 1896	720	180.00
M. J. P. Nolte.....	do	Dec. 31, 1897	720	720.00
Edw. E. Stephens.....	do	July 1, 1896	720	534.18
Orlando B. Hess.....	do	Dec. 9, 1896	720	360.00

a Per month.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—*Continued*

Name.	Designation.	Appointed.	Services end-ed.	Compensation.			Salaries.	Travel-ing.	Miscel-laneous.
				Per diem.	Per annum.	Miscellaneous items.			
MEAT INSPECTION—cont'd.									
<i>South St. Joseph, Mo.</i>									
John Forbes	Inspector	Sept. 16, 1894		\$1,400			\$1,400.00	\$20.68	
J. B. Blackwell	Asst. S. Kelly	Aug. 1, 1893	1,400				326.91	\$6.70	
James Wilson	Assistant inspector	Aug. 1, 1894	1,200				1,200.00		
Howard M. Burgess	do	Dec. 1, 1894	1,200				1,196.70		
No. B. Wrightson	do	do	1,200						
Wm. W. Johnston	do	do	1,200						
J. J. Washington	do	May 23, 1898	1,200						
W. M. E. Mowrer	Clerk	do	1,200						
Frank A. Ewing	Stock examiner	Apr. 15, 1898	840						
F. A. Therton	Tagger	May 1, 1894	900						
Wm. J. Hardinstine	do	May 25, 1898	720						
Emory K. Hess	do	May 1, 1896	720						
Clayton E. Moss	do	Dec. 10, 1895	720						
As. P. Kay	do	Dec. 1, 1896	720						
No. S. Biggs	do	Nov. 12, 1894	720						
W. D. Banton	do	Apr. 15, 1898	720						
T. Byron Cracroft	do	do	720						
Moses W. Games	do	do	720						
Thos. Redmond	do	Apr. 25, 1898	720						
Wm. Venor	do	May 20, 1898	720						
Nelson Ennis	Laborer	May 23, 1898	720						
John Forbes	do	May 12, 1898	720						
MICROSCOPIC INSPECTION.									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
John Forbes	do	do							
St. Joseph Stock Yards Co.	do								
Weigel & Sons Furniture	do								
Kansas City, St. Joseph and	do								
Council Bluffs R. R. Co.	do								
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897							
Mary K. Heck	Asst. microscopist	Mar. 15, 1898							
<i>Transportation C. E. Moss</i>									
<i>South St. Joseph, Mo.</i>									
Wm. A. Heck	Assistant inspector	Apr. 15, 1897			</td				

Holly Burgess.....	do	do	June 30, 1898	
Mary B. Carter.....	do	do	June 15, 1898	
Emmette E. Flynn.....	do	do	Mar. 15, 1898	
Helen Frodham.....	do	do	June 14, 1898	
Minnie Harrington.....	do	do	do	
Hulda Hornekoh.....	do	do	do	
Lillie M. Horn.....	do	do	do	
Anna M. Jewett.....	do	do	do	
Katherine McGillis.....	do	do	Mar. 15, 1898	
Hortense Pugl.....	do	do	June 15, 1898	
Grace Pruet.....	do	do	Mar. 15, 1898	
Jennie C. Radford.....	do	do	June 14, 1898	
Ellen Rogers.....	do	do	do	
Mary Rhodes.....	do	do	do	
Idabel Thorp.....	do	do	do	
Nellie Walker.....	do	do	do	
M. N. Birn.....	do	do	June 15, 1898	
John Forbes.....	do	do	Mar. 23, 1898	
The Louis Hax Furniture Co.....	do	do	do	
W. F. Kirkpatrick & Co.....	do	do	do	
Electric Towel Supply Co.....	do	do	do	
Combe Printing Co.....	do	do	do	
J. Wickenhofer.....	do	do	do	
MEAT INSPECTION.				
Miscellaneous.				
E. Morrison Paper Co.....	do	do	do	
John C. Parker.....	do	do	do	
Butoiph, West & Co.....	do	do	do	
The J. F. W. Dorman Co.....	do	do	do	
Chadwick Copying Book Co.....	do	do	do	
Chas. O. Brockway.....	do	do	do	
Easton & Rupp.....	do	do	do	
R. Carter Ballantyne.....	do	do	do	
J. Ottmann Lithographing Co.....	do	do	do	
Dennison Manufacturing Co.....	do	do	do	
H. F. Miller & Son.....	do	do	do	
Austin Smith.....	do	do	do	
C. S. Braisted.....	do	do	do	
J. C. Ergood & Co.....	do	do	do	
D. H. Burrell & Co.....	do	do	do	
Edw. F. Ebinger.....	do	do	do	
Jas. S. Topham.....	do	do	do	
Rubber bands.....				
Blank books, files, and ink.....	32.00			
Nail puller and wire cutter.....	78.37			
Ink pads and rubber figures.....	7.07			
Copying books.....	76.94			
Interstate stamps and "condemned" tags.....	107.04			
Typewriter oil.....	4,839.24			
Mcgill fasteners.....	.96			
Bound certificates of inspection.....	5.48			
Meat-inspection tags.....	1,145.63			
1 gallon, and round cans.....	2,375.10			
Blootling paper.....	20.00			
Pencils, pens, and penholders.....	14.64			
Soap (I. & B.).....	40.20			
Poplar boxes.....	18.07			
Drayage.....	28.82			
100 leather belts.....	3.51			
	25.00			

^a Per month.

SALARIES AND EXPENSES—Continued.

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

Name.	Designation.	Appointed.	Services end-ed.	Compensation.	Disbursements.
				Per diem.	Per annum.
				Salaries.	Travel-ing.
MEAT INSPECTION—cont'd.					
Miscellaneous—Continued.					
Thomas Manufacturing Co.					
Caton Manufacturing Co.					
E. J. Brooks & Co.					
Geo. W. Knox Express Co.					
Frederick Springmann					
James B. Lambie					
The Public Printer					
Old Colon Steamboat Co.					
Vandalia Line					
Kansas and St. Joseph R. R. Co.					
Burlington and Missouri River R. R. in Nebraska.					
Wabash R. R. Co.					
Oregon R. R. and Navigation Co.					
Missouri Pacific Rwy Co.					
Chicago, Indianapolis and Louisville Rwy Co.					
Baltimore and Ohio R. R. Co.					
Pennsylvania R. R. Co.					
Chicago and Alton R. R.					
Cleveland, Cincinnati, Chi-cago and St. Louis Rwy Co.					
New York, Chicago and St. Louis Rwy Co.					
Chicago and Northwestern Rwy Co.					
Erie R. R. Co.					
West Shore R. R.					
Eugene M. Hulen					
J. L. Gilbert & Bro.					
Pad boxes					
"Condemned" tags					
Pad ink					
Seals and wires, and felt pads.					
Drayage					
do					
1 box chisel					
200 copies Bulletin, No. 19					
Freight on tags					
do					
Freight on tags and seals					
Freight on tags and ink					
Freight on stamps					
Freight on seals and presses					
Freight on seals and tags					
Freight on stamping ink					
Freight on stamps					
Freight on tags and ink					
Freight on tags, seals, and presses					
do					
Freight on seals and stamps					
Freight on stamps					
Freight on stamps, tags, and ink					
Freight on seals and presses					
Freight on stamps					
Stamping ink					
Pad boxes					

R. Harris & Co.		140.00	
Geo. A. Sheehan		1.74	
Chicago, Milwaukee and St. Paul Rwy. Co.		73.90	
Chicago and Erie R. R.			
New York, New Haven and Hartford R. R. Co.			
Chicago, Burlington and Quincy Rwy. Co.			
Illinois Central R. R. Co.			
Total		\$381,408.44	\$716.34
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MICROSCOPIC INSPECTION.			
<i>Miscellaneous.</i>			
Colman Brez	Expert repairer microscopic apparatus.	Aug. 16, 1897	\$4.50
Do	Instrument repairer.	Apr. 1, 1898	
Z. D. Gilman.			
Rufus P. Clarke			
John C. Parker			
Dennison Manufacturing Co.			
E. J. Brooks & Co.			
Bausch & Lomb Optical Co.			
Chas. O. Rockway			
James B. Lambie			
J. Ottmann Lithographing Co.			
Goumpf & Thompson			
Vandalia Line.			
Star Union Line.			
West Shore R. R.			
Baltimore and Ohio Southwestern Rwy. Co.			
Chicago and Northwestern Rwy. Co.			
Hannibal and St. Joseph Rwy. Co.			
Erie R. R. Co.			
Chicago, Milwaukee and St. Paul Rwy. Co.			
New York, New Haven and Hartford R. R. Co.			
Chicago, Burlington and Quincy R. R. Co.			
Total		\$380.05	25,380.05
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100 silver badges			
Shelving			
Freight on seals and presses			
do			
Freight on stamps and hardware			
Freight on stamps			
Freight on stamps, seals, and presses			
Total		\$381,408.44	\$716.34
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Lock boxes, forceps, and scissors.			
Hand towels			
Stationery			
Duplicate checks and tags			
Compressor glasses			
Microscopes and repairing			
Export stamps			
Brass rod			
Bond certificates of inspection			
Brancheling microscope stands			
Freight on duplicate tags and checks			
do			
Freight on tag fasteners, etc.			
Freight on duplicate checks			
Freight on lock boxes			
Freight on tag fasteners			
Freight on lock boxes			
do			
Freight on tags and tag fasteners.			

List of persons employed and disbursements made during the fiscal year ended June 30, 1898—Continued.

SALARIES AND EXPENSES—Continued.

Name.	Designation.	Appointed.	Services end-ed.	Compensation.			Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel-ing.	Miscel-laneous.
MICROSCOPIC INSPECTION—continued.									
Thomas Manufacturing Co.						Tag fasteners			\$134.38
Chicago Car Seal and Manu-facturing Co.						Sample boxes			34.00
John P. Naworth						White twine			9.50
Rudolph, West & Co.						Brass padlocks			56.28
George A. Sheehan						Lumber			4.50
The Grant Manufacturing Co.						Lead discs			25.00
Spencer Lens Co.						Stages for microscopes			342.60
Total..							\$161,554.00	\$262.47	10,159.38

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